WebReport/i

Version 12

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Introduction

WebReport/i is an e-business application for your IBM i computer system which includes Power Systems running IBM's i/OS, i5, iSeries and AS/400. It lets you to take reports from your system's print spool and electronically deploy them. WebReport/i will let you send these reports as E-mail or fax. It will also let you convert the reports into various format documents for deployment on either your own company Intranet or to an Internet Website. With Release 12, a full functioned Intranet website deployment using the IBM i/OS Apache server is included with the software. Details about the Intranet feature are included in a separate manual.

For the purposes of this documentation, your system will be referred to as an "**iSeries**" system. This term is used generically and applies to all systems in the IBM i family, including your **Power System running IBM i/OS**, **i5** system, your **AS/400** system or your **iSeries**.

Overview

WebReport/i processes your iSeries print spool and extracts reports. It can be run manually on a report by report basis, imbedded directly into your own programs using our standard IBM i/OS commands or you can set it up to run automatically. When run manually, you simply identify the spool file that you want to process. By choosing one of two commands, you can either send the spool file as an E-mail or fax, or your can convert it into a document for web deployment. As an alternative, you can use the Work With Web Spool Files (WRKWEBSPLF) command to review spool file contents and choose WebReport/i options for them.

When setup for automatic operation, all you need to do is create routing instructions within WebReport/i. These instructions are associated with specific output queues on your iSeries system. To have something route automatically, you just route the output to the output queue and the WebReport/i router will take over from there.

Each operation performed by WebReport/i is logged to an activity database within WebReport/i. You can use this to trace activity and see what reports are being processed and how they are being processed. A utility provided with WebReport/i will let you periodically print out this log to clear the log and review the entries made in it.

WebReport/i comes in two different flavors. Basic WebReport/i contains all of the features and capabilities that are documented. The enhanced WebReport/i PDF adds the capability to create documents in Adobe Acrobat (PDF) format, in comma-separated-values (CSV) format, in Excel format (XLS) and in our proprietary *ISP and *ISV formats for spool file storage. When the product is first installed on trial, the full WebReport/i PDF version is loaded. If you decide to use the basic product, Kisco Information Systems will give you instructions on how to reconfigure your installed version.

What's New In Release 12

Release 12 of WebReport/i includes the following changes and new features. Some of these were introduced during the life cycle of the previous release, so current customers may already have some of this functionality already installed.

- New name - WebReport/400 has now become **WebReport/i** in keeping with the new identification by IBM that has been in place now for some time.

- Report Intranet feature added - hosted right on your IBM i using the built-in Apache server. You can now send reports to the Intranet for automatic deployment on this Intranet site. The site is set up with security so that only reports a use is allowed to see are available.

- PDF Fill-in Forms feature lets you generate PDF documents from your spool files and include fill-in boxes that can be used by the recipients to add information or feedback to you.

- Improved output queue security implemented. Prior to this change, anyone used WebReport/i could access output queues that the IBM i/OS security would deny to them. We now have the option to configure WebReport/i so that IBM i/OS security will be honored.

- Configuration support for HTTPS is now provided for the browser Intranet feature. We provide complete instructions on how to implement the Intranet site using HTTS security.

- Easy to use SMTP tracing utilities are now included in WebReport/i. An SMTP reset process is also now included.

- Spool files can now be converted into TIF format.

- A new FTP output function in the WREPORT command and in HTML Automatic Routing has been implemented to make FTP transfers of reports much easier. No need to code your own program any longer and the needed FTP scripts are automatically created for you by WebReport/i.

- The HTML Automatic Routing rules maintenance has had a copy function added which has been needed for a long time and requested by many customers.

- A new internal PC format for spool file transfers to other IBM i platforms has been added that makes the transfer much easier.

Installation and Security

Specific installation instructions are covered in the section of this manual titled "Installation". To install your product on trial, follow those instructions. WebReport/i can be installed from distribution media supplied by Kisco Information Systems or from a download file from the Internet. The initial installation will allow WebReport/i to run on your system for a period of at least thirty days. At the end of the trial period, the software will no longer function.

The initial installation will always install the full WebReport/i PDF product. After you have completed your evaluation, if you decide that you prefer just the basic WebReport/i, contact Kisco Information Systems and instructions will be provided to reconfigure your installation.

When you decide to keep WebReport/i, you must send your payment to Kisco Information Systems. At that time, Kisco must know the full serial number for your system and the partition number where you have the software installed. If you are not sure of your serial number or partition number, you can display this information by running option #2 on the INSTALL menu in the application library WEBREPORT.

When Kisco receives your payment and serial number/partition number, they will issue a password to you. This password, when applied, will certify your copy of WebReport/i and will permanently activate the software on your system. The password and certification instructions will be provided in writing by email.

Pre-Requisites

WebReport/i assumes that you have the following components in place on your system:

- A working TCP/IP environment on the iSeries.
- An active SMTP (Simple Mail Transport Protocol) server function running on the iSeries (for use of the E-mail features in WebReport/i only).
- A working E-mail server. This may be on the iSeries or an external mail server. For Internet destination E-mail addresses, the mail server must be connected to the Internet.
- To use the fax output option, you must have an active account with MetroFax or a similar internet fax service. See details in the fax output section of this manual.

Additional information about each of these components is discussed later in the manual under the Installation and Configuration section. Configuration help is available by using the Configuration Wizard function.

Kisco Software Support

Kisco Information Systems software support is available from 7am to 6pm eastern time. You can reach software support with the following methods:

Phone: 518-897-5002
Email: support@kisco.com
Fax: 518-897-5003
Mail: Kisco Information Systems
89 Church Street
Saranac Lake, NY 12983

Off-hours support can be provided for all registered customers with advance notification. Contact our support staff at least 24 hours in advance when you think you will need off-hours support and we will provide instructions for contacting us during that time. If you have unscheduled off-hours support needs, you should place a phone call and send an email request. Support is generally available during off-hours.

Kisco Information Systems provides unlimited software support during your first year of ownership. This includes the time during your free trial. Following the first year of ownership, there is a modest fee structure to maintain support for your software.

The Kisco support policy program works as follows:

1. First year support will continue to be FREE! This will include unlimited telephone support, unlimited E-mail support, free release updates and free license transfers.

2. After the first year, an annual charge will apply for support and software maintenance.

3. The annual fee will be charged at the rate of 15% of the then current selling price.

4. Support covered by this annual fee includes:

    a. Unlimited telephone support (518-897-5002)
    b. Unlimited E-mail support (Support@kisco.com)
    c. Defect analysis and correction
    d. Free updates to correct known defects (Kisco PTFs)
    e. Free updates for new releases and features
    f. Free license transfers (when you upgrade to a different system)

5. Customers who are not on maintenance will be charged $100 for each license transfer.

At the end of your first year of ownership, you will receive an invoice from us for your next year's maintenance charge. Non-payment of this invoice will be taken to mean that you decline maintenance.

World Wide Web Support

You can use the World Wide Web to reach us and to obtain software support information. Just set your web browser to our web address at:

http://www.kisco.com

Support information specifically for WebReport/i can be found at this address:

http://www.kisco.com/webreport/support

At our Website, you will find:

- Product information about all Kisco software products for the IBM i.
- Customer support information including:
  - Latest release level information for all products
  - Technical bulletins
  - Frequently asked questions and answers
  - Problem reports including WebReport/i PTF availability
  - Descriptions for recent enhancements to products
  - E-mail contact information for getting in touch with us
- Information about consulting services available from Kisco Information Systems.
- Registration for automatic notification about WebReport/i enhancements and changes.
- ..... and more

The first time you visit the Customer support section of our website for WebReport/i, be sure to register for automatic notification. Once you are registered, we will automatically send Email notices to you about upgrades, enhancements and fixes for WebReport/i as soon as they become available.

We invite you to visit our Website, use the contact features to let us know what you think. We're always looking for ways to better serve you, our customer.

The Master Menu

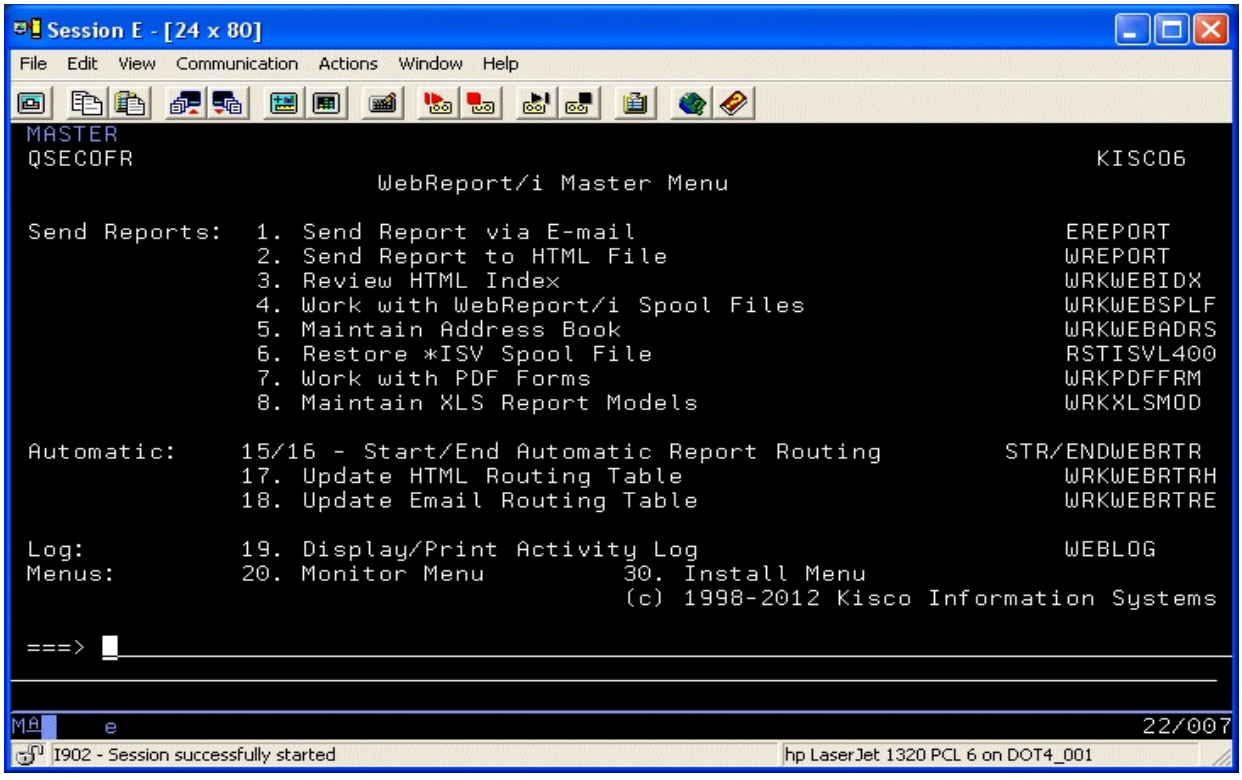
The main menu used by WebReport/i is called MASTER and is found in the library WEBREPORT. There are several ways to display the menu. You can issue the following GO command from any terminal command line:

GO WEBREPORT/MASTER

This method does not require that the library name be added to your library list. You can also add the library to your library list and display the menu with an easier format. To add the library to your library list and display the menu, enter the following two commands:

ADDLIBLE WEBREPORT
GO MASTER

The main WebReport/i menu appears as follows:
Each menu option handles the following functions. Each function is described in more detail later in this manual:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
MASTER
QSECOFR
KISCO6
WebReport/i Master Menu
Send Reports: 1. Send Report via E-mail EREPORT
2. Send Report to HTML File WREPORT
3. Review HTML Index WRKWEBIDX
4. Work with WebReport/i Spool Files WRKWEBSPLF
5. Maintain Address Book WRKWEBADRS
6. Restore *ISV Spool File RSTISVL400
7. Work with PDF Forms WRKPDFFRM
8. Maintain XLS Report Models WRKXLSMOD
Automatic: 15/16 - Start/End Automatic Report Routing STR/ENDWEBRTR
17. Update HTML Routing Table WRKWEBRTRH
18. Update Email Routing Table WRKWEBRTRE
Log: 19. Display/Print Activity Log WEBLOG
Menus: 20. Monitor Menu 30. Install Menu
(c) 1998-2012 Kisco Information Systems
===>
MA e 22/007
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

1. Send Report via E-mail	Sends a specific iSeries spool file entry as an E-mail message to a virtually unlimited number of recipients. This option is also used to send your spool file by fax.
2. Send Report to HTML File	Converts a specific iSeries spool file entry into a document for deployment on an Intranet or Internet Website.
3. Review HTML Index	Browse and maintain current HTML document list.

4. Work with WebReport/i Spool Files	Displays spool file entries and lets you choose various WebReport/i options for them.
5. Maintain Address Book	Lets you maintain a list of frequently used E-mail addresses so that they can be referred to using abbreviations. This option also allows you to create and maintain address groups.
6. Restore *ISV Spool File	Lets you restore a spool file from a PC file previously saved using the *ISV format.
7. Work With PDF Forms	Lets you maintain configuration for the PDF Forms feature. Refer to the separate user manual available for this feature.
8. Maintain XLS Report Models	Lets you maintain report model settings for Excel spool file conversion processing.
15. Start Automatic Routing	Starts WebReport/i's automatic report routing process.
16. End Automatic Routing	Stops the automatic report routing process. If there are no message monitors active, this will also close down the EREPORT subsystem.
17. Update HTML Routing Table	Updates and maintains HTML routing instructions for the automatic process.
18. Update Email Routing Table	Updates and maintains Email routing instructions for the automatic process.
19. Display/Print Activity Log	Displays or Prints and clears the WebReport/i activity log.
20. To Monitor Menu	Switches to the WebReport/i Monitor tasks menu.
30. To Install Menu	Switches to the WebReport/i Installation tasks menu.
90. Signoff	Performs a terminal signoff operation.

Send Reports

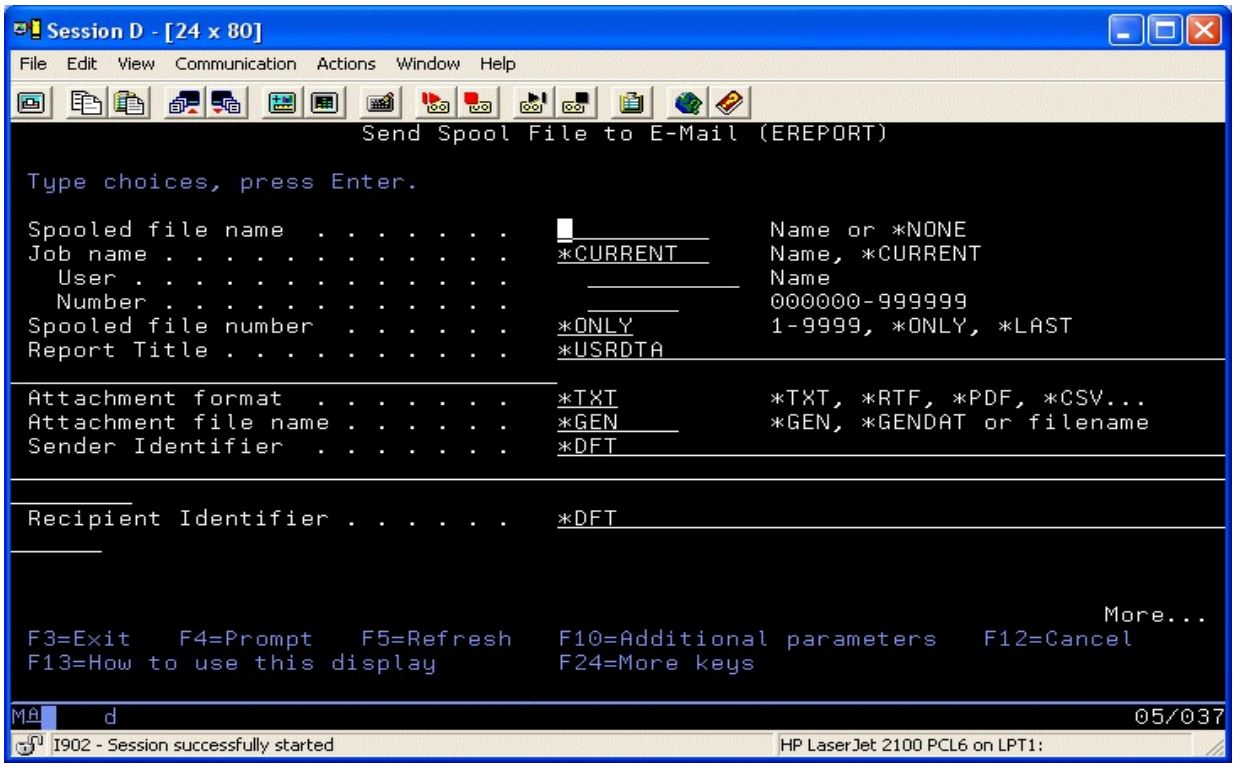
Send Report via E-mail

You can send any *SCS spool file entry as an E-mail message using WebReport/i. You can also choose to send any *AFPDS, *IPDS or *USERASCII spool file if you use the PDF option to send it in Acrobat format. If your *AFPDS spool file includes an overlay, the overlay will also be included in the email that is sent. Some color overlays are supported, contact Kisco for specific instructions for color.

Choose menu option #1 or enter the command WEBREPORT/EREPORT and press F4. The following screen will be displayed:

The parameters on the screen can be completed as follows:

Spooled File Name — Enter the name of the spool file to be sent. You can also specify a special value of ***NONE**. When you do this, an Email message will be sent with no attached report. To use this option, the following additional conditions must be met:
1) The output format must be set to *TXT
2) You cannot use any of the special values allowed for the TITLE parameter.


Session D - [24 x 80]
File Edit View Communication Actions Window Help
Send Spool File to E-Mail (EREPORT)
Type choices, press Enter.
Spooled file name . . . . . Name or *NONE
Job name . . . . . *CURRENT Name, *CURRENT
User . . . . . Name
Number 000000-999999
Spooled file number . . . . . *ONLY 1-9999, *ONLY, *LAST
Report Title . . . . . *USRDTA
Attachment format . . . . . *TXT *TXT, *RTF, *PDF, *CSV...
Attachment file name . . . . . *GEN *GEN, *GENDAT or filename
Sender Identifier . . . . . *DFT
Recipient Identifier . . . . . *DFT
More...
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
MA d 05/037
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

Job Name — Enter the three qualifiers for the job, job name, user profile and system job number. If you use the special value of *CURRENT, then the spool file from your current job will be used. When use *CURRENT, leave the rest of the elements of

this parameter blank.

Spooled File Number — Enter the file number for the spool file to be sent. This parameter will also accept the following special values:

***ONLY** - the only spool file for the job will be used.
***LAST** - the most recent spool file for the job will be used

Report Title — Enter a short title for the report, up to 50 characters. This will become the Email "Subject" field. The following special values are also available for this parameter:

***USRDTA** The title will be taken from the User Data field for the spool file entry.
***USRDFNDTA** - the title will be taken from the first 50 characters of the USRDFNDTA parameter associated with the spool file being processed. If WebReport/i finds this value blank, a default title of "No User Defined Data Available" will be used.
***USRCNV** The Subject for your email will be extracted from the Title Conversion Table based on the contents of the USRDTA field for the spool file.
***FILCNV** The Subject for your email will be extracted from the Title Conversion Table based on the name of the spool file.
***FRMCNV** The Subject for your email will be extracted from the Title Conversion Table based on the formtype for the spool file.

This field also supports a special "macro" expression. If you encode a special value of '&DATE-EXPR' anywhere in the report title field, WebReport/i will replace that field with the current system date using your configured date formatting.

Example:

"Sales Report for &DATE-EXPR"

will be converted to the following value by WebReport/i:

"Sales Report for 10/02/2006"

Attachment Format — Specifies how you want the report sent. Choose one of the following options:

***TXT** The spool file will be converted into a plain text file.
***RTF** The spool file will be converted into a Rich Text Format file (RTF). The RTF format can be used by most PC-based word processing software. Choosing this option will provide report recipients with a better method of printing reports locally.

***PDF** The spool file will be converted into a Adobe Acrobat Format file (PDF). The PDF format can be viewed on PC's using the Adobe Acrobat Reader which is available for free from Adobe. This reader can be used to view and print reports on PC's and Macintosh computers.

***XLS** The spool file will be converted into an Excel spreadsheet file.

***CSV** The spool file will be converted into a Comma Separated Values PC file. This is a common format for interchange with an electronic spreadsheet.

***TIF** The spool file will be converted into TIF graphic format

***ISV** The spool file will be converted into a new special format so that it can be restored to any iSeries system and put back into an output queue (preferred over *ISP).

***ISP** The spool file will be converted into special format so that it can be restored to any iSeries system and put back into an output queue.

Note: The *PDF, *XLS, *CSV, *TIF, *ISV and *ISP options are only available when WebReport/i PDF is installed.

Attachment file name

Use this parameter to control how the email attachment file is named. You can specify a specific attachment file name or you can use one of the following special values:

***GEN** This is the default value. WebReport/i will automatically assign a name to the attachment file.

***GENDAT** WebReport/i will assign a date differentiated file name using the two letter *GENDAT filename prefix code plus the create date for the spool file being processed.

Sender Identifier

Choose one of the following values to have this email message identified:

***DFT** The sender will be identified using the default settings from the WEBSET command that was entered when the software was installed and configured.

***USER** The sender will be identified using the current user profile and the default email address from the WEBSET command.

***SPLUSER** The sender will be identified as the user that is associated with the spool file bring processed. If that user profile is found in the WebReport/i Address Book, then the sender's full name as shown in the Address Book will be used.

Using this option will have your email appear to be arriving from the person who actually ran the report.

Name If an address book abbreviation name is used, then the sender will be identified with both the name and email address that corresponds to the name entered. The information will be taken from the WebReport/i address book file.

Email Enter any valid email address. The email address entered here will be used as the sender's email address. The sender's name will be taken from the system default value shown in the WEBSET command.

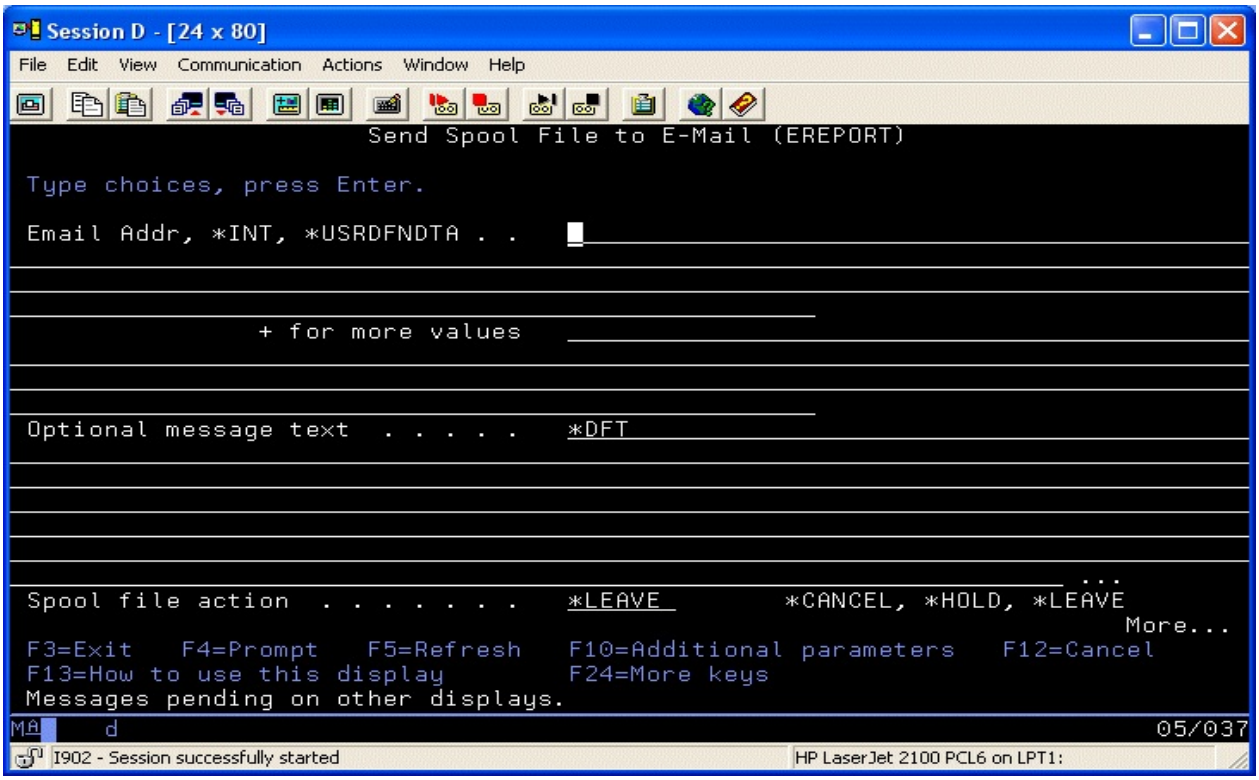
Abbrev Enter a valid address abbreviation from the WebReport/i Address Book. The sender's name and email address will be used based on the Address Book record.

Recipient Identifier — This parameter identifies the recipient for this email message. Choose one of the following values:

***DFT** The default value specified by the WEBSET command is used.

Name Enter the specific value that you want to use to identify the recipient for this email.

Additional parameters are needed for this command. When the above parameters have been completed, use the Roll function to display the next panel. It will appear as follows:


Session D - [24 x 80]
File Edit View Communication Actions Window Help
Send Spool File to E-Mail (EREPORT)
Type choices, press Enter.
Email Addr, *INT, *USRDFNDTA . .
+ for more values
Optional message text . . . . . *DFT
Spool file action . . . . . *LEAVE *CANCEL, *HOLD, *LEAVE
More...
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
Messages pending on other displays.
MA d
05/037
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

To complete the command, enter these parameters as follows:

Internet Address

Provision is made for up to 20 fields of direct internet address information.

Addresses can take the following forms:

Direct Addresses - these are in standard form such as "sales@kisco.com"

WebReport/i Abbreviations - use any abbreviation name that you have already entered into the WebReport/i Address Book. When you use this form of addressing, the recipient's name will be encoded in the email message as it appears in the Address Book.

Multiple E-mail addresses can be stacked together within each of the 20 parameter fields provided. You can stack Direct Addresses mixed with WebReport/i Abbreviations. To stack addresses, just place a semi-colon (';') between the addresses without leaving any blank characters.

Example: sales@kisco.com;JOHN;myfriend@friends.com

In the above example, the report will be sent to the two direct

internet addresses shown and to the E-mail address associated with the WebReport/i abbreviated name JOHN.

If you are processing a spool file that contains imbedded internal #EMAIL directive statements, this parameter should be set to the special value '*INT'.

You can also specify automatic routing using an email address (or string of email addresses) taken from the USRDFNDTA field in the spool file itself. To do this, have your printing application store the addresses in the spool file field, then specify the special value of *USRDFNDTA in this parameter.

Optional message text

This field lets you add text that will be sent along with the report in the body of the E-mail message. Using the *DFT option will send a default standard E-mail text to each recipient. The default text is set on the INSTALL menu using the WEBSET command.

This field can be expanded to include up to 1,024 characters of information.

The message text field contains several formatting options you can use to control the appearance of the message text portion of your WebReport/i Email message. The feature lets you force a carriage return into the message text at any point by keying in a logical-not sign. This is the character that looks like this: (¬). On many keyboards, this is the left bracket character, just to the right of the letter P. The exact location on your keyboard may vary. Check your keyboard mapping for the exact location. Using this feature, you can separate paragraphs and even insert blank lines.

You can also choose to include a list of all destination email addresses where your email message is being sent. WebReport/i sends each copy of your email separately to each destination address. To include this information with your email, just include the characters "&TOLIST" anywhere in the message text field. WebReport/i will see this and then substitute a list of the destination email addresses included with the email send request. When the list is inserted into the email message text, a line break will be generated followed by the distribution list in the following format:

```
------------------------------------------------------------------------
This message was sent to the following:
========================================
anyone@mycorp.com
sysop@mycorp.com
========================================
```

It is a good idea to place this either at the start of the message text or at the very end of the message text. You can also

include this option in the default message text by using option #9 (WEBSET) on the INSTALL menu.

Note that some mail clients may not like the equal signs as message text separators. This can be changed globally on your system. These characters, a 40 character string, are kept in a data area named CONTROL2 starting in position 368. If you have email clients that have a problem with these, please use the CHGDTAARA command to change the 40 character string to some other characters.

Spool File Action

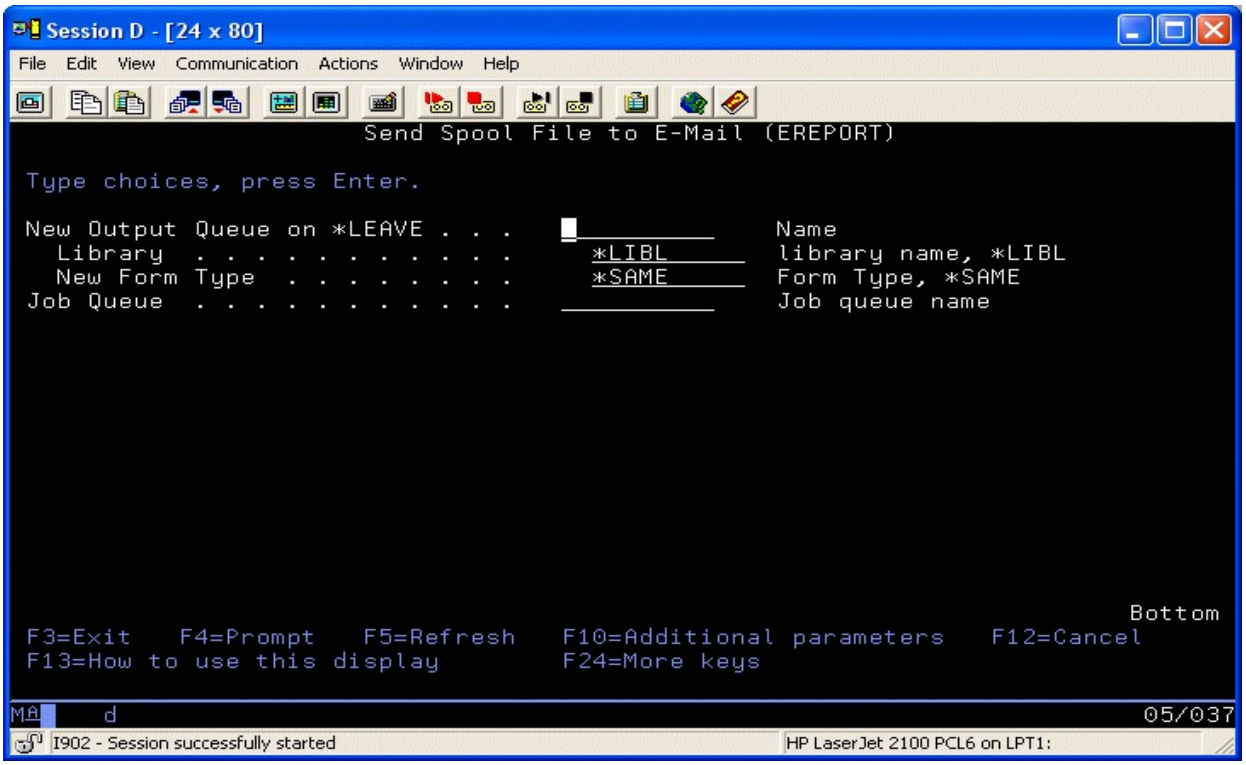
Choose one of the following special values:

***LEAVE** the spool file will be left in the output spool after the E-mail is sent.

***HOLD** the spool file will be left in the output spool after the E-mail is sent and will be changed to HOLD status.

***CANCEL** the spool file will be deleted from the output spool after the E-mail is sent.

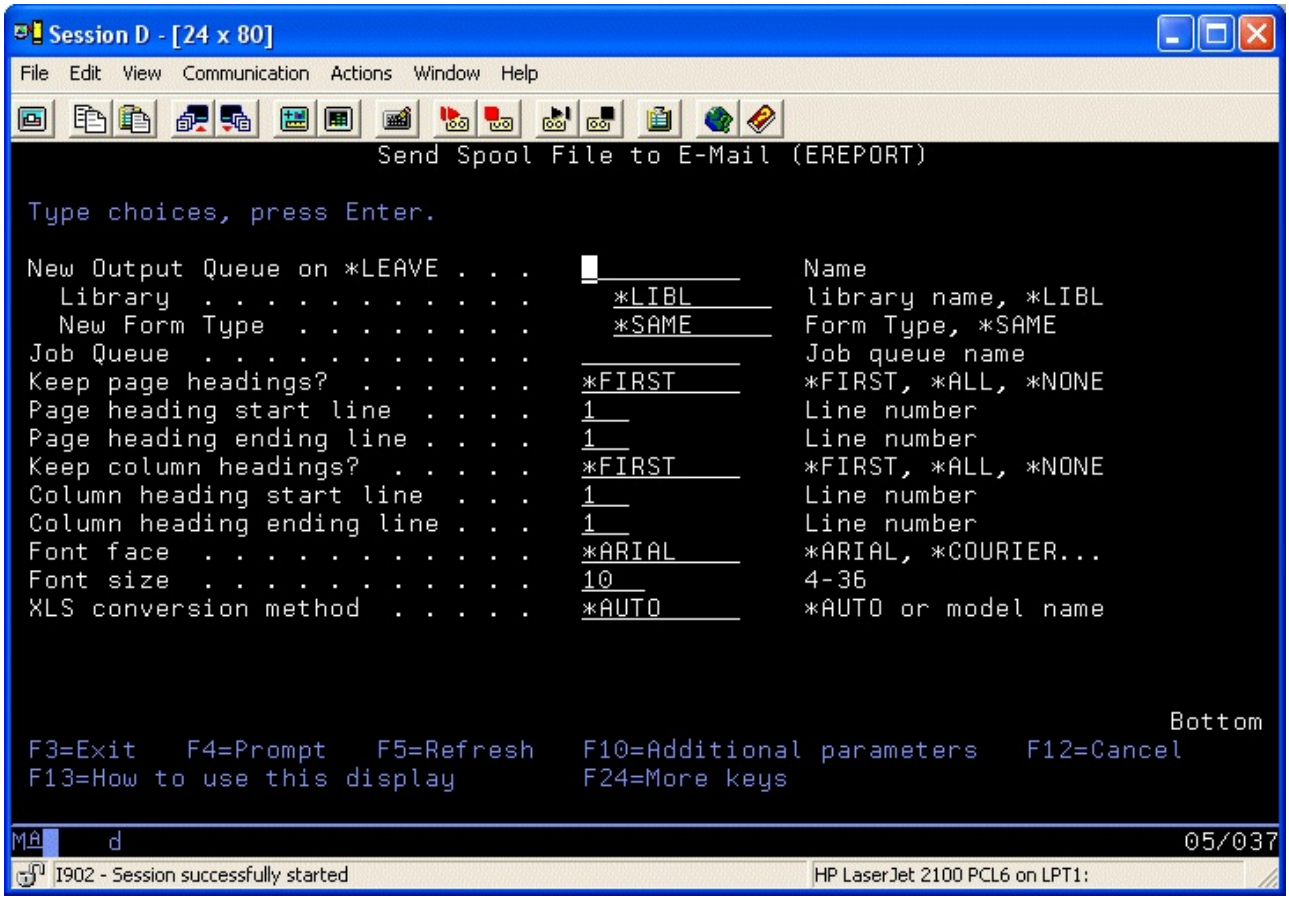
Additional parameters are needed for this command. When the above parameters have been completed, use the Roll function to display the next panel:


Session D - [24 x 80]
File Edit View Communication Actions Window Help
Send Spool File to E-Mail (EREPORT)
Type choices, press Enter.
New Output Queue on *LEAVE . . .
Name
Library . . . . . *LIBL
library name, *LIBL
New Form Type . . . . . *SAME
Form Type, *SAME
Job Queue . . . . . .
Job queue name
Bottom
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
MA d 05/037
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

To complete the command, enter these parameters as follows:

New Output Queue	When you use a Spool File Action of *LEAVE (above), you can optionally tell WebReport/i to place the spool file in a different output queue and you can also change the formtype at the same time. If you choose this option, be sure to specify a valid output queue and the library where it is located. Note: When processing a report in *ISP (spool file) format, WebReport/i always defaults to placing the report on hold following the operation. This is done for internal reasons.
Job Queue	Leave this parameter blank if you want to process the report as email interactively. If you want to spin this process off into a system job queue, enter the job queue name here. **Note**, the job queue must be one that is in a library associated with the library list for your current job.

When you select the *XLS option for Excel spreadsheet file format, the following additional parameters will be requested:


Session D - [24 x 80]
File Edit View Communication Actions Window Help
Send Spool File to E-Mail (EREPORT)
Type choices, press Enter.
New Output Queue on *LEAVE . . . Name
Library . . . . . *LIBL library name, *LIBL
New Form Type . . . . . *SAME Form Type, *SAME
Job Queue . . . . . Job queue name
Keep page headings? . . . . . *FIRST *FIRST, *ALL, *NONE
Page heading start line . . . . 1 Line number
Page heading ending line . . . . 1 Line number
Keep column headings? . . . . . *FIRST *FIRST, *ALL, *NONE
Column heading start line . . . 1 Line number
Column heading ending line . . . 1 Line number
Font face . . . . . *ARIAL *ARIAL, *COURIER...
Font size 10 4-36
XLS conversion method . . . . . *AUTO *AUTO or model name
Bottom
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
MA d 05/037
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

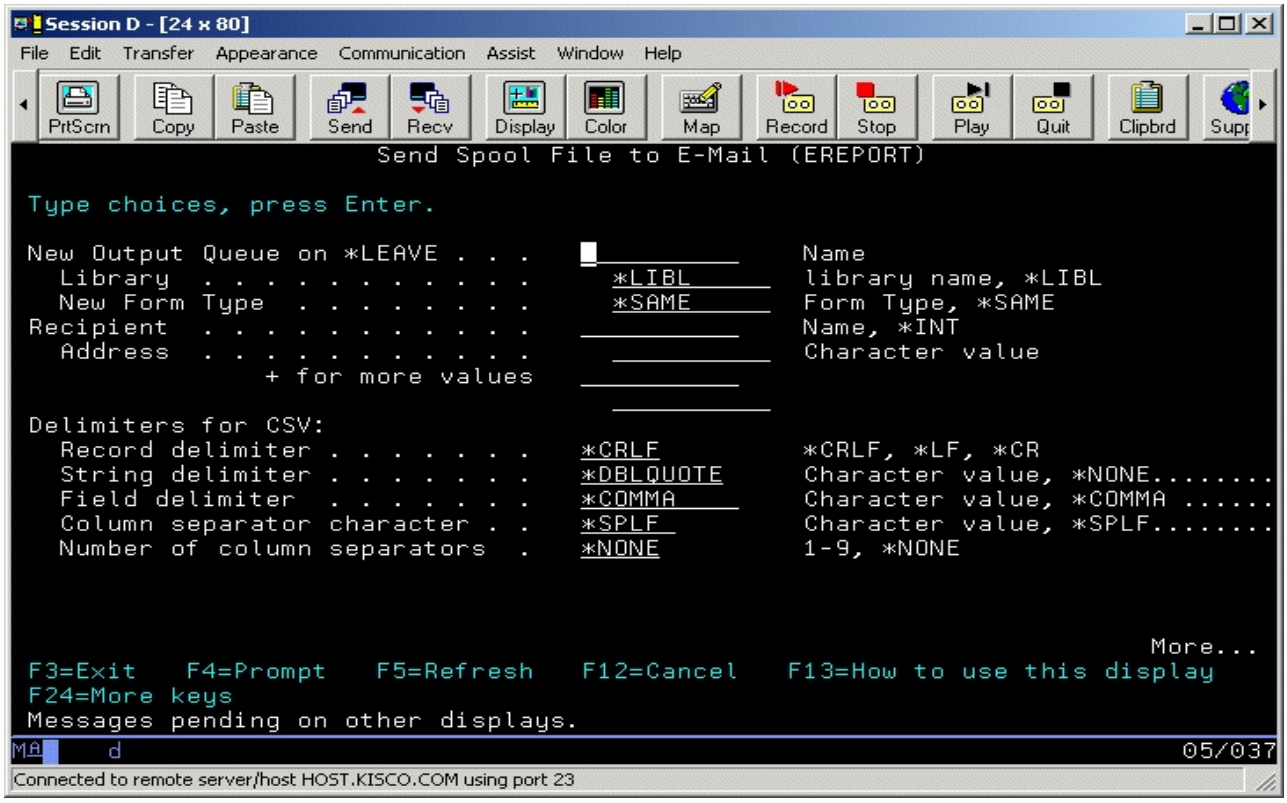
Specify the following parameters to control your spool file conversion to Excel format:

Keep page headings?	Use one of these options: ***FIRST** - only keep the headings from the first page ***ALL** - keep all page headings ***NONE** - ignore all page headings
Page heading start line	This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored. Enter the starting line number for the page headings on your report.
Page heading ending line	This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored. Enter the ending line number for the page headings on your report.

Keep column headings?	Use one of these options: ***FIRST** - only keep the column headings from the first page ***ALL** - keep all column headings ***NONE** - ignore all column headings
Column heading start line	This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored. Enter the starting line number for the column headings on your report.
Column heading ending line	This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored. Enter the ending line number for the column headings on your report.
Font face	Select the font that you want to use for the conversion. The following are currently supported: *ARIAL, *COURIER, *COURIERB, *COURIERO, *COURIERBO, *HELVETICA, *HELVB, *HELVO, *HELVBO, *TIMES, *TIMESB, *TIMESI, *TIMESBI, *SYMBOL, *DINGBATS
Font size	Choose the size that you want to enforce for the selected font.
XLS conversion method	For conversion to XLS format, this parameter lets you select the way WebReport/i does the conversion. Choose one of the following options: ***AUTO -** Use WebReport/i's automatic column interpretation. This option is preferred for the first time that you attempt an *XLS conversion on a report. **Model Name** - Enter the name of an XLS Report Model that you have built using the option from the MASTER menu for this purpose.

When you select your output in the *CSV format, several additional parameters are requested as shown here and on the next display panel:

Enter these parameters as follows:


Session D - [24 x 80]
File Edit Transfer Appearance Communication Assist Window Help
PrtScrn Copy Paste Send Recv Display Color Map Record Stop Play Quit Clipbrd
Send Spool File to E-Mail (EREPORT)
Type choices, press Enter.
New Output Queue on *LEAVE . . . Name
Library . . . . . *LIBL library name, *LIBL
New Form Type . . . . . *SAME Form Type, *SAME
Recipient . . . . . Name, *INT
Address . . . . . Character value
+ for more values
Delimiters for CSV:
Record delimiter . . . . . *CRLF *CRLF, *LF, *CR
String delimiter . . . . . *DBLQUOTE Character value, *NONE
Field delimiter . . . . . *COMMA Character value, *COMMA
Column separator character . . *SPLF Character value, *SPLF
Number of column separators . *NONE 1-9, *NONE
More...
F3=Exit F4=Prompt F5=Refresh F12=Cancel F13=How to use this display
F24=More keys
Messages pending on other displays.
05/037
Connected to remote server/host HOST.KISCO.COM using port 23

Delimiters: (There are 5 elements to the parameter as follows)

Record delimiter	This parameter defines the characters to be used to indicate the end of a record in the CSV file.
***CRLF**	Carriage return and line feed. Both a carriage return (x'0D') and a line feed.
***CR**	Just a carriage return (x'0D') is used.
***LF**	Just a line feed (x'0A') is used.
String delimiter	The character to be used to enclosed character string data.
***DBLQUOTE**	A double quote (") is used.
***SGLQUOTE**	A single quote (') is used.
***NONE**	No delimiter is used. Alphanumeric data is not enclosed by any special character.
Delimiter-char	The delimiter character to use.
Field delimiter	The character to be used to separate fields in the CSV file.
***COMMA**	A comma (,) is used.
***TAB**	A tab (x'09') is used.

***BLANK** A blank (x'20') is used.

***SEMICOLON** A semicolon (;) is used.

Delimiter-char The delimiter character to use.

Column separator — The values you select on this parameter control how the spooled file is converted to a delimited ASCII text file (e.g. a comma separated variable file).

The default for the first element is *SPLF. This tells WebReport/i to break the spooled file data into columns based on the way in which the data is split up in the spooled file.

Where the spooled file is created from an externally described printer file this will probably give the best results, since the data in the spooled file is likely to be organized so that each natural or logical item of data appears as a separately identifiable element.

However, if the spooled file is created from an internally described printer file, or from an application such as IBM's Query/i, it is likely that the data in the spooled file will be presented to WebReport/i as a single, unstructured data block for each line of the report. If this is the case then better results will probably be achieved by defining a column separator character to control the splitting of the data in the report.

The column separator character can be any alphanumeric character. Often the best results will be obtained by selecting *BLANK (blank character) which will split the data in the spooled file every time one or more consecutive blank characters occur.

***SPLF** Split the data in the report based on the organization of the data.

***BLANK** Blank

character The character to use to force a column split.

Number of column separator characters — The number of consecutive column separator characters required to force a column split.

Number — The number of characters required.

Exclude pages — The EXCLPAGES (Exclude Pages) parameter allows you to identify pages of the spool that should not be included in the resultant stream file.

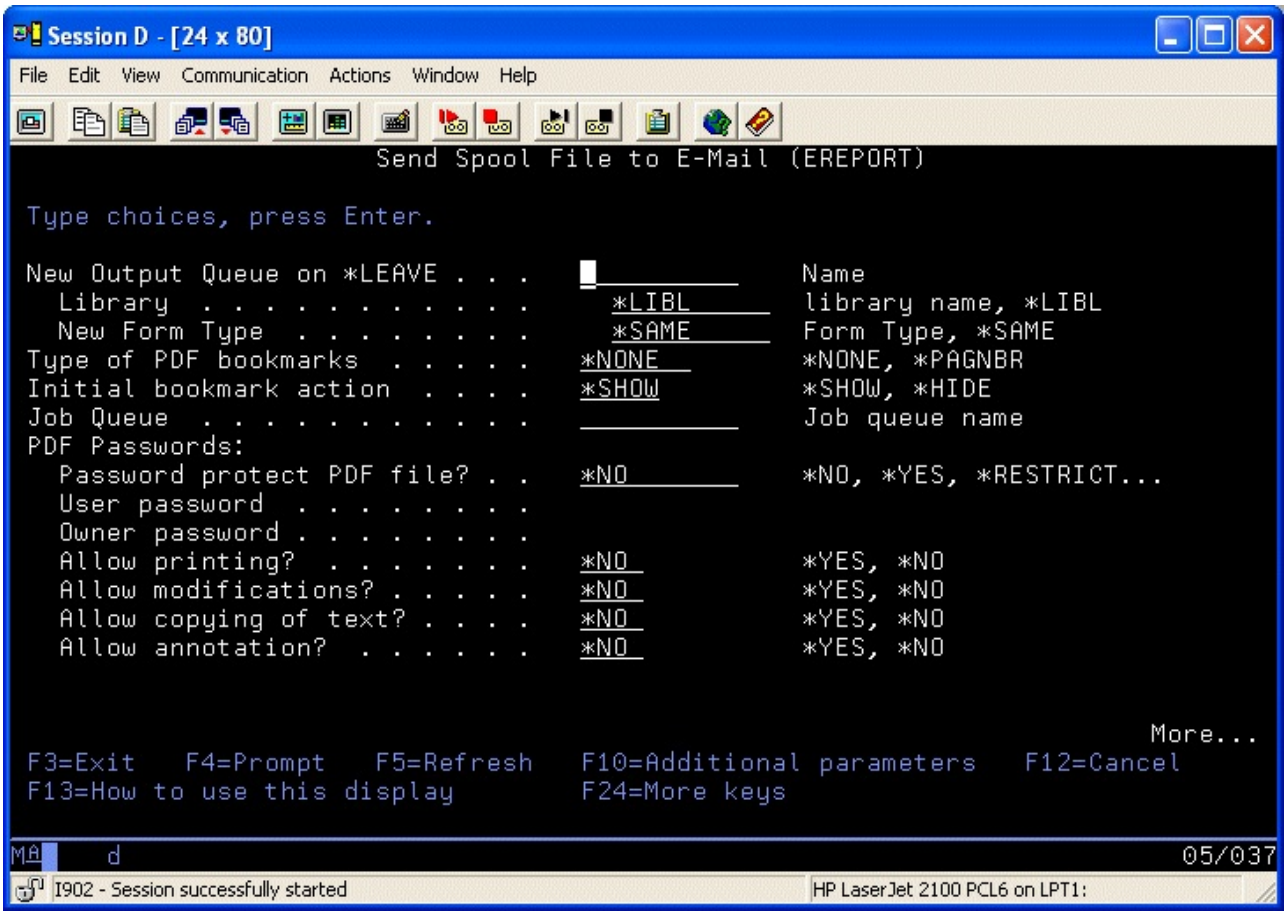
For example, if your spooled file contains header sheets or batch separator pages dropped using this parameter.

There are five elements to this parameter, each providing a

different method of pages from the spooled file.

At start of spooled file	The number of pages to exclude at the beginning of the spooled file. If you specify a number on this parameter element, then that number of pages will be ignored at the start of the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of the spooled file, these can be dropped by specifying the number of pages to be dropped here.
At end of spooled file	The number of pages to exclude at the end of the spooled file. If you specify a number on this parameter element, then that number of pages will be ignored at the end of the spooled file. If your spooled file contains one or more unwanted trailer sheets at the end of the spooled file, these can be dropped by specifying the number of pages to be dropped here.
At start of each stream file	The number of pages to exclude at the beginning of each stream file created from the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of each set of required pages, these can be dropped from the stream file by specifying the number of created from the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of each set of required pages, these can be dropped from the stream file by specifying the number of pages to be dropped here.
At end of each stream file	The number of pages to exclude at the end of each file created from the spooled file. If your spooled file contains one or more unwanted trailer sheets at the end of each set of required pages, these can be dropped from the file by specifying the number of pages to be dropped here.
Exclude pages by key	A key string identifying pages to be dropped. Every page of the spooled file which contains the string specified here will be omitted from the resultant file(s). For example, if your spooled file contains batch header sheets, and these contain the word "Batch" on them, they can be excluded from the stream file by specifying "Batch" as the key string on this parameter.
Exclude line numbers:	The EXCLLINNBR (Exclude line numbers) parameter allows you to define lines which should be dropped from the output CSV or Excel file, for example unwanted headings. The group is specified by indicating a starting line and a number of following lines to be excluded.
From line number	Enter the starting line number or specify the special value *NONE if none are to be excluded.
Number of lines	The number of lines to be excluded.
Exclude lines by key: _____	The EXCLLINKEY (Exclude lines by key) parameter allows

you to define lines which should be dropped from the output CSV or Excel file, for example unwanted sub-headings.


Session D - [24 x 80]
File Edit View Communication Actions Window Help
Send Spool File to E-Mail (EREPORT)
Type choices, press Enter.
New Output Queue on *LEAVE . . . Name
Library . . . . . *LIBL library name, *LIBL
New Form Type . . . . . *SAME Form Type, *SAME
Type of PDF bookmarks . . . . . *NONE *NONE, *PAGNBR
Initial bookmark action . . . . *SHOW *SHOW, *HIDE
Job Queue . . . . . Job queue name
PDF Passwords:
Password protect PDF file? . . *NO *NO, *YES, *RESTRICT...
User password . . . . . .
Owner password . . . . . .
Allow printing? . . . . . *NO *YES, *NO
Allow modifications? . . . . . *NO *YES, *NO
Allow copying of text? . . . . *NO *YES, *NO
Allow annotation? . . . . . *NO *YES, *NO
More...
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
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HP LaserJet 2100 PCL6 on LPT1:

The group is specified by indicating a key string, which, when located in the spooled file, denotes the start of the group, and a number of following lines to be excluded.

Exclude lines containing — The key string indicating the start of the group of lines to be excluded from the output or the special value *NONE if no lines are to be excluded.

Number of lines — The number of lines to be excluded.

When you specify an Acrobat format (*PDF) output file to be sent, you can also specify additional security and control parameters that will be prompted as follows:

If you do not want to specify any of the Acrobat security features, leave the default value of *NO on the password protect field (the first parameter) and skip to the Additional Margins fields.

By changing the one of the other values as shown here, you must the specify some or all of the additional fields below:

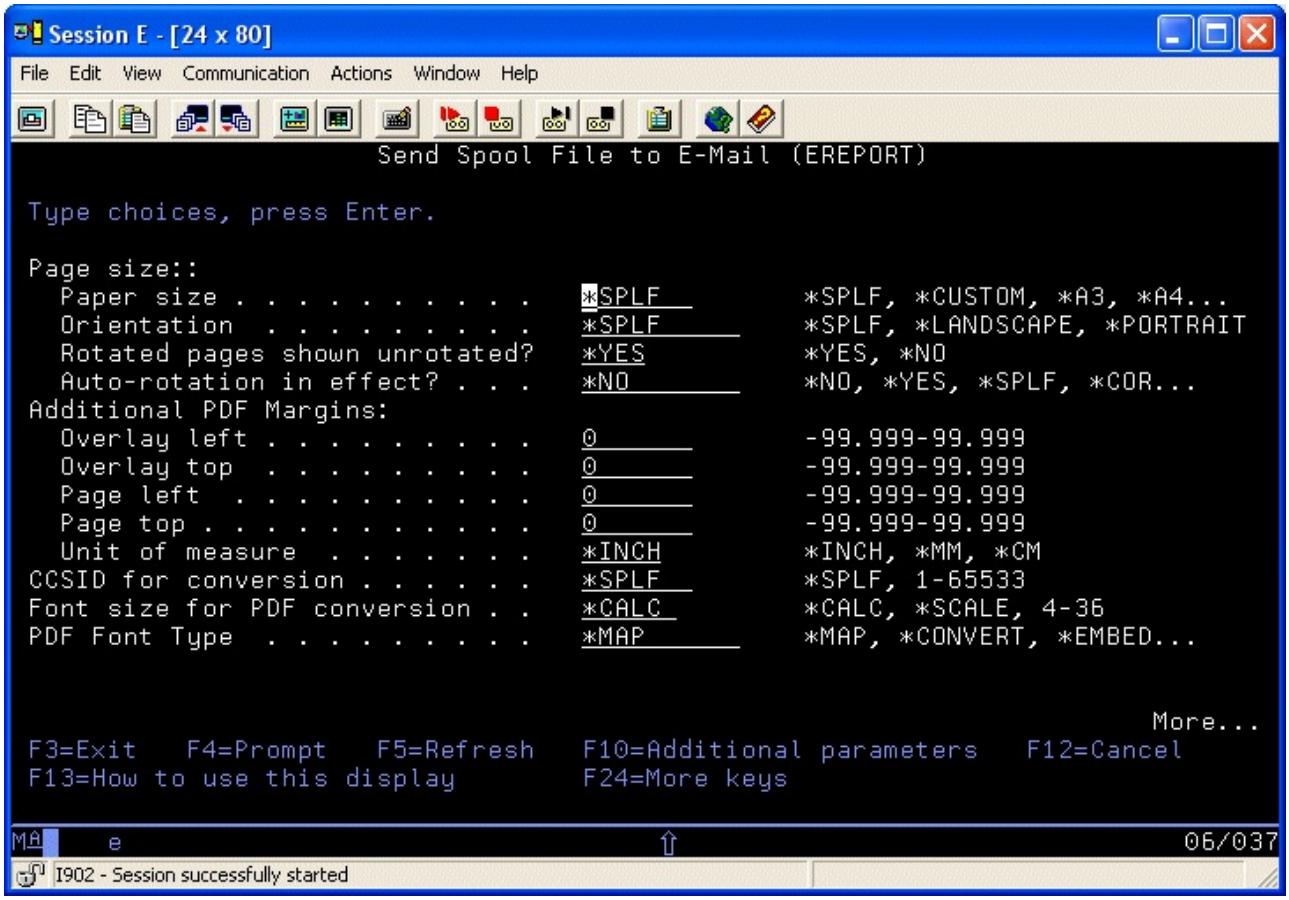
***YES**	The output PDF file will be encrypted with 40 bit encryption. The password fields and restriction fields will be honored.
***RESTRICT**	The output PDF file will be encrypted with 40 bit encryption. The password fields will not be enforced, but the restriction fields will be honored.
***RST128BIT**	The output PDF file will be encrypted with 128 bit encryption. The password fields will not be enforced, but the restriction fields will be honored.
***PWD128BIT**	The output PDF file will be encrypted with 128 bit encryption. The password fields and restriction fields will be honored.

The following addition security fields are also used when processing PDF files with security information:

User password	This is a case sensitive field of 32 characters. Enter the user password you want associated with the converted PDF file.
Owner password	This is a case sensitive field of 32 characters. Enter the owner password you want associated with the converted PDF file.
Allow printing?	If you want to allow printing of the PDF file, change this parameter to *YES.
Allow modifications?	If you want to allow the PDF file to be modified, change this parameter to *YES.
Allow copying of text?	If you want to allow text to be copied from the PDF file, change this parameter to *YES.
Allow annotation?	If you want to allow annotations to be made to the PDF file, change this parameter to *YES.

Note: When you specify *YES for the Acrobat password, the Acrobat file is automatically encrypted.

WebReport/i also provides page size, page alignment and overlay alignment options that you will see on the following display:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Send Spool File to E-Mail (EREPORT)
Type choices, press Enter.
Page size::
Paper size . . . . . *SPLF *SPLF, *CUSTOM, *A3, *A4...
Orientation . . . . . *SPLF *SPLF, *LANDSCAPE, *PORTRAIT
Rotated pages shown unrotated? *YES *YES, *NO
Auto-rotation in effect? . . . *NO *NO, *YES, *SPLF, *COR...
Additional PDF Margins:
Overlay left . . . . . 0 -99.999-99.999
Overlay top . . . . . 0 -99.999-99.999
Page left . . . . . 0 -99.999-99.999
Page top . . . . . 0 -99.999-99.999
Unit of measure . . . . . *INCH *INCH, *MM, *CM
CCSID for conversion . . . . . *SPLF *SPLF, 1-65533
Font size for PDF conversion . . *CALC *CALC, *SCALE, 4-36
PDF Font Type . . . . . *MAP *MAP, *CONVERT, *EMBED...
More...
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
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Kisco recommends that, initially, you use the default settings for the page size set of parameters. If you find that you are having issues with page size, or if you are sending spool files as fax documents through MetroFax, then you can experiment with different settings. For fax rules, see the separate section of this manual for specific recommendations.

Paper size	Use one of the following values: *SPLF, *CUSTOM, *A3, *A4, *A5, *B4, *B5, *LETTER, *LEGAL, *EXEC, *LEDGER. Note that customer, exec and ledger are not fully available as of this release.
Orientation	Use one of the following values: *SPLF, *LANDSCAPE, *PORTRAIT
Rotated pages shown unrotated?	Choose either *YES or *NO
Auto-rotation in effect?	Choose one of the following values: *NO, *YES, *SPLF, *COR, *PAGESIZE. Note that the pagesize option is not implemented as of this release.

You can also control page alignment and AFP overlay alignment from this screen. Some trial and

error will be needed to find the right set of parameters. Most pages and AFP overlays will align correctly without any adjustments. If you find you need adjustments, try the following:

Overlay left	Controls the left margin of the overlay. Specify a number in the range indicated on the prompt.
Overlay top	Controls the top margin of the overlay. Specify a number in the range indicated on the prompt.
Page left	Controls the left hand margin for the page.
Page top	Controls the top margin for the page.
Unit of measure	Describes the values used for alignment as either in inches (*INCH), millimeters (*MM) or centimeters (*CC).

The following additional parameters are also requested for a *PDF process:

CCSID for conversion	Specify the CCSID value that you want to associate with the spool file being converted. This parameter only applied to *PDF conversions. Choose from the following:

*SPLF	Use the CCSID value associated with the spool file.
*JOB	Use the CCSID value associated with the current job.
*SYSVAL	Use the CCSID value associated with the system value QCCSID.
*USER	Use the CCSID value associated with the user profile.
1-65533	Use the specific CCSID value entered.

Font size for PDF conv	For *PDF conversions, this parameter gives you control over the size of the font used. Choose from the following:

*CALC	Use this default value to let WebReport/i calculate a font size based on the attributes of your print file.
*SCALE	If you find that *CALC does not produce a satisfactory result, try this *SCALE value. A different method will be used to set the font size based on different spool file attributes from your report.
4-36	If you want to use a specific font size, code the numeric value within the range of 4 to 36.

PDF Font Type	Choose one of the following values:

*MAP	WebReport/i will attempt to map the font in your spool file as closely as possible using PDF fonts available. This is the default value and will normally produce the desired result.
*EMBED	WebReport/i will embed the selected font directly into the PDF file. When *MAP results are unsatisfactory, this option should be tried as it may give better results.
*CONVERT	This is the same as *MAP.

For specific font faces, use the HELP (F1) key to display a list of those that are available.

Some customers reported issues to us when using color overlays. The problems are associated with sections of the spool file getting overlaid with areas of the overlay. If you experience this problem, then we recommend that you process the following two commands on your system and then try the PDF conversions again:

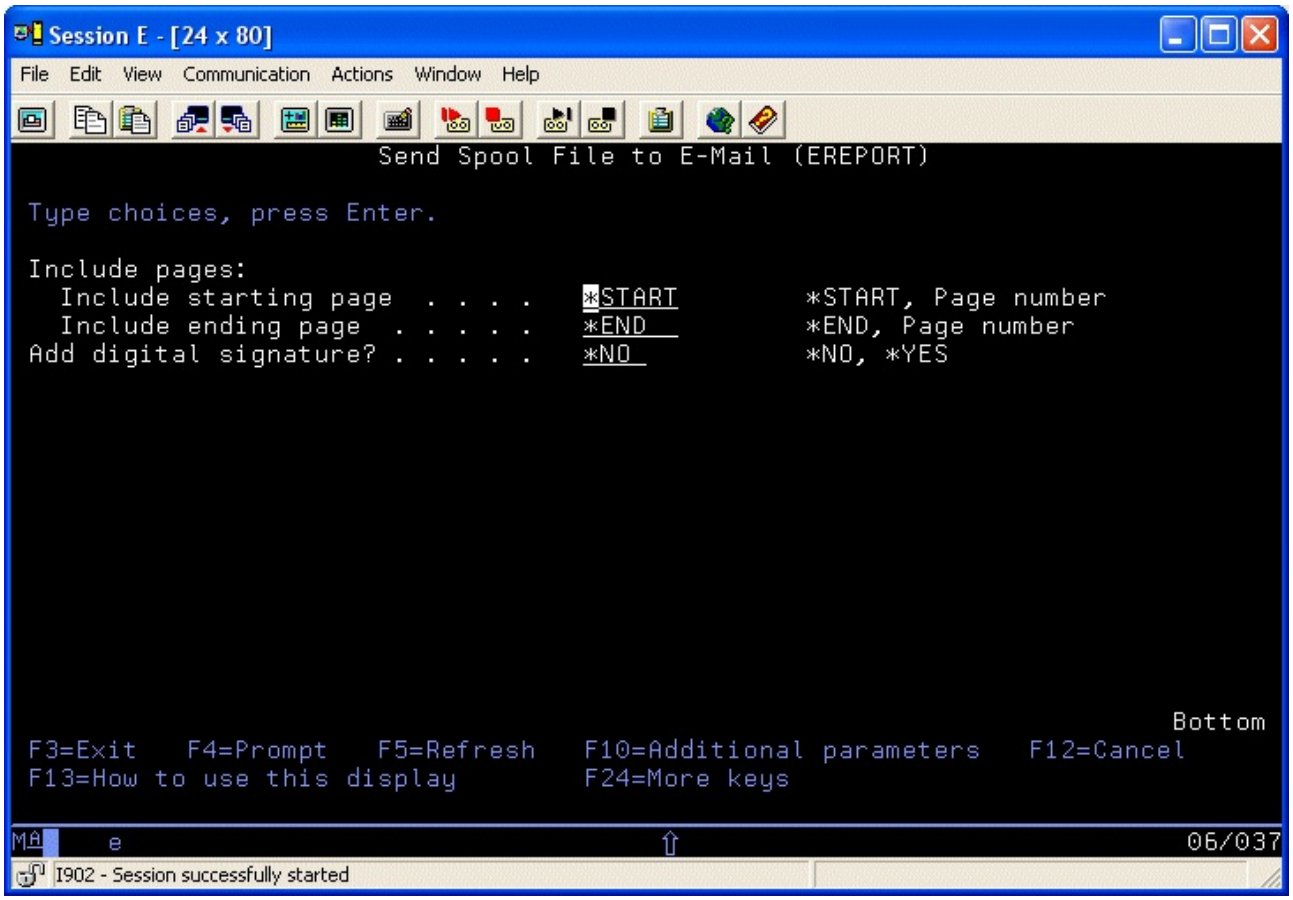
```
ADDENVVAR ENVVAR(CS_PDF_NON_HPT_OVL_IMG) VALUE(*YES)
LEVEL(*SYS)

ADDENVVAR ENVVAR(CS_PDF_HPT_OVL_IMG) VALUE(*YES) LEVEL(*SYS)
```

With this version installed, the above two commands should change the results that you are seeing so that the overlay is handled correctly.

We specifically do NOT recommend setting these two environment variable unless you have the documented issue.

A final screen of options is also available as follows:
Fill in the parameters as follows:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Send Spool File to E-Mail (EREPORT)
Type choices, press Enter.
Include pages:
Include starting page . . . . *START *START, Page number
Include ending page . . . . . *END *END, Page number
Add digital signature? . . . . . *NO *NO, *YES
Bottom
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
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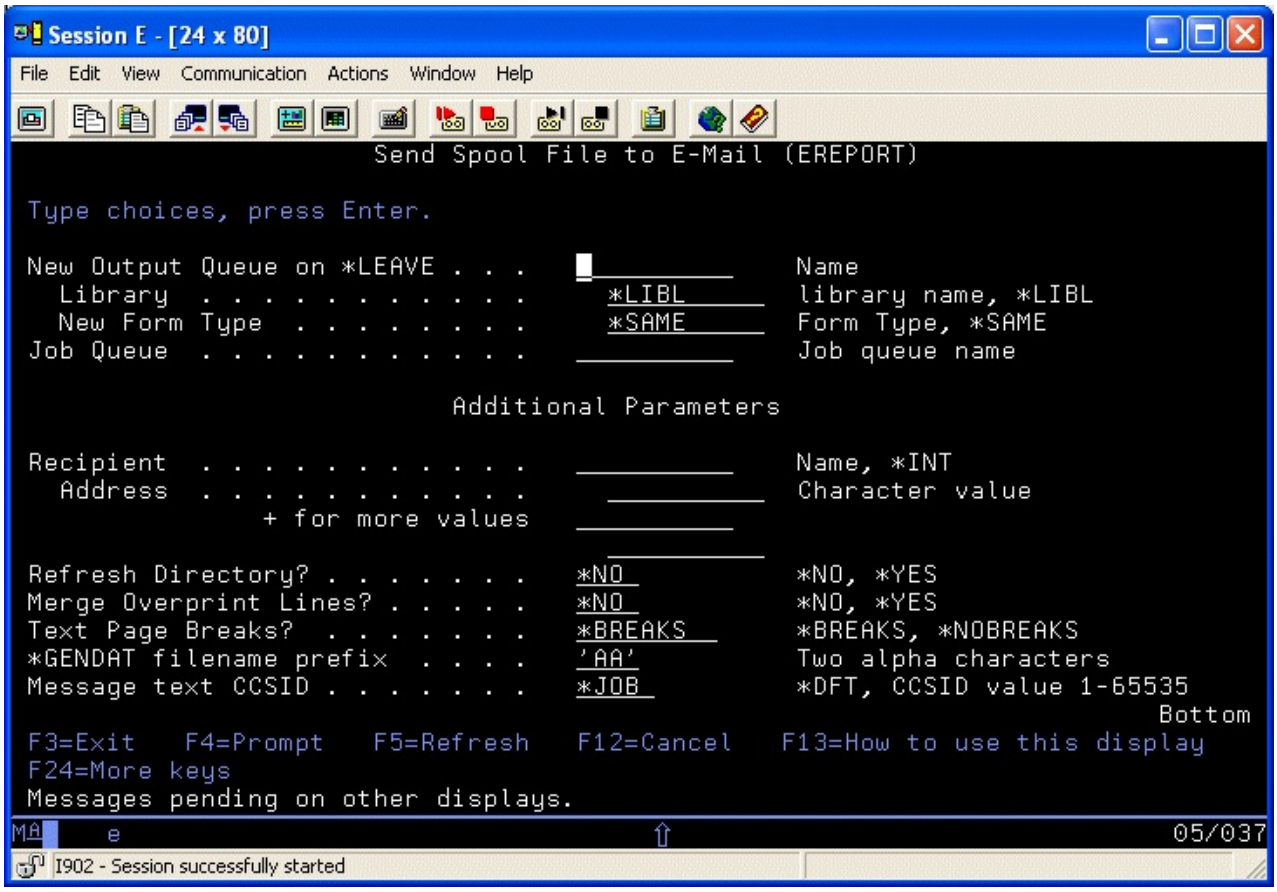
Include pages	Lets you specify a range of pages to be included in the PDF that is created for this process. Leaving the default values will send the entire report.
Add digital signature?	If no digital signature is wanted, leave the default value. To enter information about using a digital signature, change the value to *YES. When you do this, the additional parameters needed will be prompted. Please refer to the special section of this documentation for more details on filling out the digital signature values.

There are some optional parameters for this command that are hidden from the prompt. These are little used parameters, but they can be displayed by pressing the F10 key and then scrolling up to view them. They will appear as follows:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Send Spool File to E-Mail (EREPORT)
Type choices, press Enter.
New Output Queue on *LEAVE . . . Name
Library . . . . . *LIBL library name, *LIBL
New Form Type . . . . . *SAME Form Type, *SAME
Job Queue . . . . . Job queue name
Additional Parameters
Recipient . . . . . Name, *INT
Address . . . . . Character value
+ for more values
Refresh Directory? . . . . . *NO *NO, *YES
Merge Overprint Lines? . . . . . *NO *NO, *YES
Text Page Breaks? . . . . . *BREAKS *BREAKS, *NOBREAKS
*GENDAT filename prefix . . . . 'AA' Two alpha characters
Message text CCSID . . . . . *JOB *DFT, CCSID value 1-65535
Bottom
F3=Exit F4=Prompt F5=Refresh F12=Cancel F13=How to use this display
F24=More keys
Messages pending on other displays.
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These parameters are defined as follows:

Recipient

Note: This parameter is included to provide compatibility with earlier releases of WebReport/i. It is used when you are using SMTP destination addresses that are still defined in the WRKDIRE system directory. Kisco does not recommend this addressing scheme for new customers just starting with WebReport/i.

Enter up to twenty pairs for user ids and locations. These must all be currently active in your system directory. You may leave these blank if you are using Internet Addresses for your recipients. If you are using imbedded email directive statements in your spool file, you can indicate that by using the special value of *INT in the first occurrence of this parameter.

Refresh Directory?

If you have made recent changes to the system directory, you may want to respond to this with the *YES special value. Specifying *YES will add overhead to the transmission process and slow down sending your report. This should

probably NOT be used in a production environment. To use the *YES option, you must be enrolled in the system directory.

Merge Overprint Lines? This option controls how overprint lines in the spool file are handled by WebReport/i for *TXT and *RTF processing. Choose one of the following values:

***NO** Default value. When overprint lines are found in the spool file, only the first line will be processed. All other overprint lines will be ignored.

***YES** When overprint lines are found, the contents of each line will be merged together into a single line.

Text Page Breaks? Controls whether or not an additional separator line of hyphens will be inserted in *TXT spool file conversions. Choose one of the following:

***BREAKS** Default value. The line of hyphens will be inserted at the page break points.

***NOBREAKS** No line of hyphens will be inserted.

*GENDAT filename prefix If you are using the *GENDAT file naming option, enter a two character code in this field. It will default to 'AA'.

Message text CCSID For most processing, the *JOB default value will work. If you want to use a specific CCSID value for the message text on this email, enter the specific value. This can be of use when you have text in a different language from that in effect for your job.

After all parameters have been entered, press ENTER and the spool file will be processed. Each user specified as a recipient will receive a copy of the report selected as an E-mail attachment.

Because of timing problems with earlier versions of IBM i/OS, a delay was added to the email process in WebReport/i. This delay added 5 seconds to the time needed to email a report. For most customers this is not an issue, but some customers have requested to reduce this delay time. WebReport/i has been changed so that the delay time is now an external variable that is stored in the data area named CONTROL2 in library WEBREPORT.

The delay time is found in positions 409-410 of the CONTROL2 data area. If these characters are blank, then the default value of 5 seconds will be enforced. You cannot change this value to zero.

You can change the delay time variable by using the following command:

```
CHGDTAARA DTAARA(WEBREPORT/CONTROL2 (409 2)) VALUE('01')
```

This example will set the delay time to 1 second.

An alternate command format, EREPORTA, is also available. This alternate format has some of the parameters sequenced differently. Several customers report finding this format easier to use for their purposes. We suggest that you experiment with its use to find which works best for your

installation.

If you find that you prefer the alternate version, you can make it your default version by running the following two commands on your system:

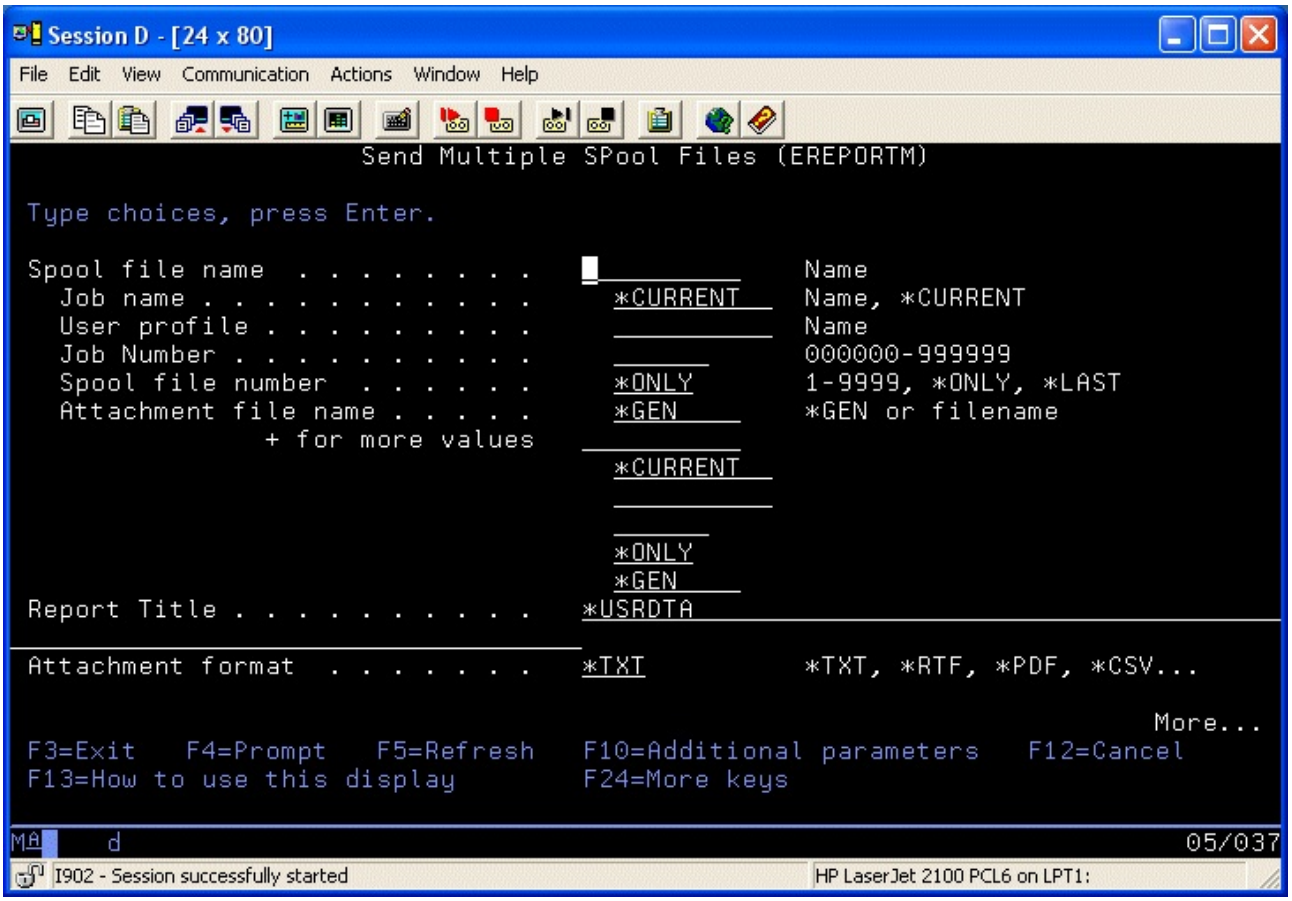
```
RNMOBJ OBJ(WEBREPORT/EREPORT) OBJTYPE(*CMD) NEWOBJ(EREPORTSAV)

RNMOBJ OBJ(WEBREPORT/EREPORTA) OBJTYPE(*CMD) NEWOBJ(EREPORT)
```

When this is done, the alternate form of the command will be in use for all users on your system.

Send Multiple Reports in a single E-mail

Some customer may want to process several reports attached to a single E-mail message. This is possible in WebReport/i using the special command EREPORTM. This command will let you bundle up to 5 different reports into a single email send operation. You can run this command from the IBM i/OS command line or integrate it into your own CL programs. The command supports full HELP text. To get started with it, just type the command and press the F4 key to prompt it. The following screen will be displayed:


Session D - [24 x 80]
File Edit View Communication Actions Window Help
Send Multiple SPool Files (EREPORTM)
Type choices, press Enter.
Spool file name . . . . . *
Job name . . . . . *CURRENT Name, *CURRENT
User profile . . . . . Name
Job Number 000000-999999
Spool file number . . . . . *ONLY 1-9999, *ONLY, *LAST
Attachment file name . . . . . *GEN *GEN or filename
+ for more values
*CURRENT
*ONLY
*GEN
Report Title . . . . . *USRDTA
Attachment format . . . . . *TXT *TXT, *RTF, *PDF, *CSV...
More...
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
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HP LaserJet 2100 PCL6 on LPT1:

The parameters for this command are the same as for the EREPORT command already described. The difference between the two is that this command allows you to specify multiple spool files to be processed. Note that the attachment file name can be set differently for each spool file entered.

The prompt screen comes up with fields for processing two different reports. To access the fields for the additional reports, just enter a plus sign ('+') in the spool file name parameter and press ENTER. The additional fields will be shown.

Some restrictions, however, do apply to the use of the EREPORTM command as follows:

1. It does not support *INT processing to obtain destination email addresses from within the spool files.

2. It does not support the older TOUSRID fields for specifying destination email addresses.

Only internet addresses can be used.

3. It does not support the *GENDAT option for attachment file naming.

4. It does not support the *NONE option for the spool file name.

5. Automatic processing can only be accomplished by integrating the command directly into your own CL programs.

Send Report by Fax

WebReport/i supports sending spool files by fax using the internet fax service "MetroFax". As of this writing, you can establish a MetroFax account for $12.95 per month which will allow you to send up to 1,000 pages per month for this single fixed fee. After the first 1,000 pages in any month, the charge is $0.03 per page. For many installations, this will end up being cheaper than the monthly cost of an additional phone line and you will not need any special equipment or modems on your system to support fax transmissions.

To send spool files by fax, you will need to open an account with MetroFax. Their website for getting started is found at:

http://www.metrohispeed.com/

Choose the plan you want. The plan that is highlighted above is for Individual & Small Business accounts.

When you create your account, you **must** remember the email address that you are registering with. All outbound fax email messages must have this email address as the sender address.

Once your account is active, you can start sending spool files by fax. To do this, just use the regular email feature of WebReport/i. To send by fax, just specify the destination fax number in the email address followed by "@metrofax.com". For example, to send a fax to us at Kisco Information Systems, you would use the following email address:

5188975003@metrofax.com

The "Sender Identifier" on your email message **must** be the email address that you signed up with. On the EREPORT command, this is parameter FROMID. In the automatic routing setup, it is called "From Identifier".

The message text field of your transmission will become a cover page for your fax. On the EREPORT command, this is specified as the MSGTEXT parameter. If you do not want any cover page sent, change this parameter value to *NONE. The cover page will be included in your MetroFax page count.

Also, when sending spool files by fax, we recommend that you specify Acrobat (*PDF) format. When you do this for regular reports that are set up as 132 columns wide by 66 lines high, you will need special page size parameter settings. These are controlled by the page size parameters. Special page alignment settings will also be needed.

When using the EREPORT command, use the following settings for page size:

Paper size	*LETTER
Orientation	*PORTRAIT
Rotated pages shown unrotated?	*YES
Auto-rotation in effect? . . .	*COR

NOTE: The *PORTRAIT setting sounds wrong, but it is what works.

Also use the following settings for PDF page margins:

Page left	-.3
Page top	.2

If you choose an internet fax service other than MetroFax, you will have to do some experimentation with these settings to find what works best for you. WebReport/i should work with other internet fax services, but it has only been fully tested with MetroFax.

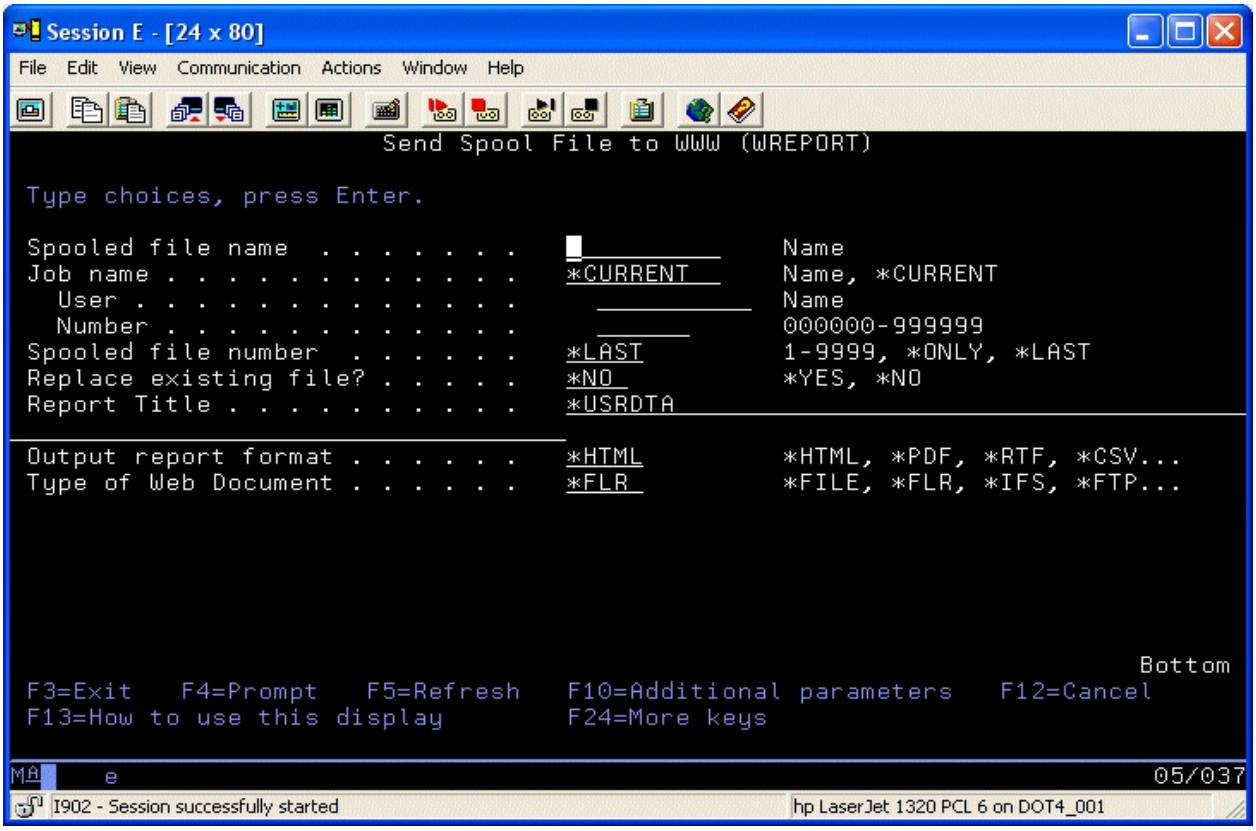
Based on our testing with MetroFax, other documents sent from the spool file like invoices, statements, purchase orders and so on tend to get faxed correctly when the original default values are set. Once you find the combination of settings that works best for each situation, we recommend that you set them up in the automatic routing table so that they are pre-set for all use.

The MetroFax service can also be used as a destination fax service with incoming faxes being converted to email and forwarded to you. Kisco and MetroFax are completely separate companies and you may, at time, need to contact MetroFax for support separate from what is provided by Kisco Information Systems. Kisco recommends MetroFax for this application, but does not receive any compensation from them in return.

Send Report to HTML File

This menu option is used to convert a report into a document that can be served on your website. Within WebReport/i, this is generally referred to as an HTML file, but the actual file can take several forms. Choose menu option #2 or enter the command WEBREPORT/WREPORT and press F4. The following screen will be displayed:

The parameters on the screen can be completed as follows:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Send Spool File to WWW (WREPORT)
Type choices, press Enter.
Spooled file name . . . . . _____ Name
Job name . . . . . *CURRENT Name, *CURRENT
User . . . . . _____ Name
Number . . . . . _____ 000000-999999
Spooled file number . . . . . *LAST 1-9999, *ONLY, *LAST
Replace existing file? . . . . . *NO *YES, *NO
Report Title . . . . . *USRDTA
Output report format . . . . . *HTML *HTML, *PDF, *RTF, *CSV...
Type of Web Document . . . . . *FLR *FILE, *FLR, *IFS, *FTP...
Bottom
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
MA e 05/037
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

Spooled File Name	Enter the name of the spool file to be converted.
Job Name	Enter the three qualifiers for the job, job name, user profile and system job number.
Spooled File Number	Enter the file number for the spool file to be converted. This parameter will also accept the following special values: ***ONLY** the only spool file for the job will be used. ***LAST** the most recent spool file for the job will be used.
Replace existing file?	Choose one of the following options: ***YES** If there is already a file by the same name, replace it with the file being converted now. ***NO** If there is already a file by the same name, do not

replace it. An error message will be issued and the conversion will be stopped.

Report Title — Enter a short title for the report. If you use the special value *USRDTA, this will be taken from the User Data field for the spool file entry.

Output report format — Choose one of the following options:

***HTML** The default. The report will be converted into an HTML document for web deployment.

***RTF** The report will be converted into Rich Text Format. This format is better suited to applications where you want people retrieving the information to be able to print it. RTF is a format that is compatible with more PC-based word processing software.

***PDF** The spool file will be converted into a Adobe Acrobat Format file (PDF). The PDF format can be viewed on PC's using the Adobe Acrobat Reader which is available for free from Adobe. This reader can be used to view and print reports on PC's and Macintosh computers.

***CSV** The spool file will be converted into a Comma Separated Values file (CSV). This format can be used to easily transfer the report content into an electronic spreadsheet.

***TXT** The spool file will be converted into a DOS text file.

***XLS** The spool file will be converted into Excel format

***TIF** The spool file will be converted into TIF graphic format

***ISV** The spool file will be converted into a new special format so that it can be restored to any iSeries system and put back into an output queue (preferred over *ISP).

***ISP** The spool file will be converted into special format so that it can be restored to any iSeries system and put back into an output queue.

Note: The *PDF, *CSV, *XLS, *TIF, *ISP and *ISV options are only available when have WebReport/i PDF installed.

Type of Web Document — WebReport/i can create documents at three different locations. You can choose between creating a member in a Source Physical File, a PC file in a shared folder or a PC file in the Integrated File System (IFS). You can also choose to create the file in the IFS and then automatically send it using FTP to another server. Choose one of the following values:

***FLR** The output will be a PC file stored in a shared folder. (Note: this is in the QDLS folder system within the IFS.)

***FILE** The output will be a member in a Source Physical File.

***IFS**	The output will be in a PC file stored in the IFS.
***FTP**	The output will be in a PC file stored in the IFS and will then be sent using FTP to another server that you also specify on the command.
***INTR**	The output will be in a PC file stored in the IFS for immediate deployment using the WebReport/i Intranet website feature.

The WREPORT command contains selective additional parameter prompts. If you specify that you want your output placed in a shared folder (*FLR), the following additional parameters will be prompted for you:

Folder Name	Enter the full folder name where you want your PC file stored.
Document Name	Enter the name of the PC file that you want to use in the shared folder. If you want WebReport/i to generate a file name for you, there are two options for this: ***GEN** WebReport/i will automatically generate a unique file name with an appropriate extension code based on the output format you have already selected. ***GENDAT** WebReport/i will generate a filename for you using the two letter prefix code plus the date associated with the spool file. The correct file extension code will be added to the name based on the selected format.

If you specify that you want your output placed in a source physical file (*FILE), the following additional parameters will be prompted for you:

File Name/Library	Enter the name of the Source Physical File where you want to place the document as a member. The file must already be in existence and should be created with a record length capable of holding a complete print line from the report.
Source file member name	Enter the name of the member that you want to use.
Source Member Description	Enter the text you want to use as a description for the member being created.

If you specify that you want your output placed in the IFS by using either the *IFS or *FTP option, the following additional parameters will be prompted for you:

IFS file name	Enter the fully qualified name of the file in the IFS. To provide you with more file naming flexibility, there are several "macro" expressions that you can include in the IFS file name string that WebReport/i will look for and convert before arriving at the final IFS file name that will be used. ***GENDAT** The two character prefix code plus the current date in system date format.

Example:

/webreport/sales*GENDAT.pdf

converts to:

/webreport/salesAA060918.pdf

***GENUSR** The two character prefix code plus the user profile associated with the spool file being processed:

Example:

/webreport/sales*GENUSR.pdf

converts to:

/webreport/salesAAQSECOFR.pdf

***GENDATTIM** The two character prefix code plus the date in system date format plus the current time in hhmmss format:

Example:

/webreport/sales*GENDATTIM.pdf

converts to:

/webreport/salesAA091806100925.pdf

***GEN** This will insert a 6 digit unique number preceded by the two character file naming prefix into the IFS filename where the value *GEN is placed.

Example:

/webreport/sales*GEN.pdf

converts to:

/webreport/salesAA000001.pdf

NOTE: In all cases, for the macro to be recognized in WebReport/i, all of the alpha characters will have to be CAPITALIZED.

If you specified the *FTP option, the following additional parameters are also prompted:

FTP Signon ID — Enter the user profile you want to use to connect with your FTP server. If the remote server is another iSeries or AS/400 system, then you can just enter the profile in either upper case or lower case. If the remote server is Unix, then the user profile may be case sensitive. If

so, you must surround the value entered with single quotes.

FTP Password — Enter the password you want to use to connect with your FTP server. If the remote server is another iSeries or AS/400 system, then you can just enter the password in either upper case or lower case. If the remote server is Unix, then the password may be case sensitive. If so, you must surround the value entered with single quotes. The value will not show when you enter it, so be careful.

FTP Destination — Enter the internet address of the remote server that you are connecting to via FTP. This can be either a numerical address, such as "10.2.43.1" or a named address such as "www.myserver.com". Before attempting your first FTP transfer, you should make sure that your System i can PING the address you want to use.

FTP Destination file name

Enter a valid path and file name where you want to store the converted spool file at the FTP server location.

Keep IFS copy? — Select whether you want to keep the converted spool file in the IFS following the FTP process. Choose one of the following options:

*NO The converted spool file located in the FTPIFS location will be deleted following the FTP process.

*YES The converted spool file located in the FTPIFS location will be kept on file following the FTP process. It will also be logged into the index file.

Print FTP log? — Select whether you want a printed log of the FTP connection session produced during the transfer process. When first setting up an *FTP routing, we recommend that you print the FTP log to confirm that the routing is working correctly. Choose one of the following options:

*NO No log of the FTP connection will be printed.

*YES A log of the FTP connection session will be printed.

If you specify that you want your output placed in the IFS by using either the *INTR option for deployment using the WebReport/i Intranet webserver function, the following additional parameters will be requested:

Intranet folder name — Enter the name of the folder within the Intranet site that you want to use for this document. If the folder does not already exist, it will be created.

Intranet file name — Enter the fully qualified name of the file in the IFS.

To provide you with more file naming flexibility, there are several “macro” expressions that you can include in the IFS file name string

that WebReport/i will look for and convert before arriving at the final IFS file name that will be used.

***GENDAT** The two character prefix code plus the current date in system date format.

Example:

/webreport/sales*GENDAT.pdf

converts to:

/webreport/salesAA060918.pdf

***GENUSR** The two character prefix code plus the user profile associated with the spool file being processed:

Example:

/webreport/sales*GENUSR.pdf

converts to:

/webreport/salesAAQSECOFR.pdf

***GENDATTIM** The two character prefix code plus the date in system date format plus the current time in hhmmss format:

Example:

/webreport/sales*GENDATTIM.pdf

converts to:

/webreport/salesAA091806100925.pdf

***GEN** This will insert a 6 digit unique number preceded by the two character file naming prefix into the IFS filename where the value *GEN is placed.

Example:

/webreport/sales*GEN.pdf

converts to:

/webreport/salesAA000001.pdf

NOTE: In all cases, for the macro to be recognized in WebReport/i, all of the alpha characters will have to be CAPITALIZED.

Intranet class — Enter a classification code for the report for use with the Intranet

website security feature. You can see more information about the Intranet feature in the separate manual for the Intranet feature.

For any of these options (*FILE, *FLR, *IFS, *INTR or *FTP), the following parameters are also requested:

Spool File Action — Choose one of the following special values:

- ***LEAVE** — the spool file will be left in the output spool after it has been converted to HTML.
- ***HOLD** — the spool file will be left in the output spool after it has been converted to HTML and will be changed to HOLD status.
- ***CANCEL** — the spool file will be deleted from the output spool after it has been converted to HTML.

New Output Queue — When you use a Spool File Action of *LEAVE (above), you can optionally tell WebReport/i to place the spool file in a different output queue and you can also change the formtype at the same time. If you choose this option, be sure to specify a valid output queue and the library where it is located.

When you specify that you want the output in *CSV format, the following additional parameters are prompted for you:

Delimiters: (There are 5 elements to the parameter as follows)

Record delimiter — This parameter defines the characters to be used to indicate the end of a record in the CSV file.

- ***CRLF** — Carriage return and line feed. Both a carriage return (x'0D') and a line feed.
- ***CR** — Just a carriage return (x'0D') is used.
- ***LF** — Just a line feed (x'0A') is used.

String delimiter — The character to be used to enclosed character string data.

- ***DBLQUOTE** — A double quote (") is used.
- ***SGLQUOTE** — A single quote (') is used.
- ***NONE** — No delimiter is used. Alphanumeric data is not enclosed by any special character.
- Delimiter-char — The delimiter character to use.

Field delimiter — The character to be used to separate fields in the CSV file.

- ***COMMA** — A comma (,) is used.
- ***TAB** — A tab (x'09') is used.
- ***BLANK** — A blank (x'20') is used.
- ***SEMICOLON** — A semicolon (;) is used.

Delimiter-char	The delimiter character to use.
Column separator	The values you select on this parameter control how the spooled file is converted to a delimited ASCII text file (e.g. a comma separated variable file). The default for the first element is *SPLF. This tells WebReport/i to break the spooled file data into columns based on the way in which the data is split up in the spooled file. Where the spooled file is created from an externally described printer file this will probably give the best results, since the data in the spooled file is likely to be organized so that each natural or logical item of data appears as a separately identifiable element. However, if the spooled file is created from an internally described printer file, or from an application such as IBM's Query/i, it is likely that the data in the spooled file will be presented to WebReport/i as a single, unstructured data block for each line of the report. If this is the case then better results will probably be achieved by defining a column separator character to control the splitting of the data in the report. The column separator character can be any alphanumeric character. Often the best results will be obtained by selecting *BLANK (blank character) which will split the data in the spooled file every time one or more consecutive blank characters occur.
***SPLF**	Split the data in the report based on the organization of the data.
***BLANK**	Blank
character	The character to use to force a column split.
Number of column separator characters	The number of consecutive column separator characters required to force a column split.
Number	The number of characters required.
Exclude pages	The EXCLPAGES (Exclude Pages) parameter allows you to identify pages of the spool should not be included in the resultant stream file. For example, if your spooled file contains header sheets or batch separator page dropped using this parameter. There are five elements to this parameter, each providing a different method of pages from the spooled file.
At start of spooled file	The number of pages to exclude at the beginning of the

	spooled file. If you specify a number on this parameter element, then that number of pages will be ignored at the start of the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of the spooled file, these can be dropped by specifying the number of pages to be dropped here.
At end of spooled file	The number of pages to exclude at the end of the spooled file. If you specify a number on this parameter element, then that number of pages will be ignored at the end of the spooled file. If your spooled file contains one or more unwanted trailer sheets at the end of the spooled file, these can be dropped by specifying the number of pages to be dropped here.
At start of each stream file	The number of pages to exclude at the beginning of each stream file created from the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of each set of required pages, these can be dropped from the stream file by specifying the number of created from the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of each set of required pages, these can be dropped from the stream file by specifying the number of pages to be dropped here.
At end of each stream file	The number of pages to exclude at the end of each file created from the spooled file. If your spooled file contains one or more unwanted trailer sheets at the end of each set of required pages, these can be dropped from the file by specifying the number of pages to be dropped here.
Exclude pages by key	A key string identifying pages to be dropped. Every page of the spooled file which contains the string specified here will be omitted from the resultant file(s). For example, if you spooled file contains batch header sheets, and these contain the word "Batch" on them, they can be excluded from the stream file by specifying "Batch" as the key string on this parameter.
Exclude line numbers:	The EXCLLINNBR (Exclude line numbers) parameter allows you to define lines which should be dropped from the output CSV or Excel file, for example unwanted headings. The group is specified by indicating a starting line and a number of following lines to be excluded.
From line number	Enter the starting line number or specify the special value *NONE if none are to be excluded.
Number of lines	The number of lines to be excluded.
Exclude lines by key:	The EXCLLINKEY (Exclude lines by key) parameter allows you to define lines which should be dropped from the output CSV or Excel file, for example unwanted sub-headings.

	The group is specified by indicating a key string, which, when located in the spooled file, denotes the start of the group, and a number of following lines to be excluded.
Exclude lines containing	The key string indicating the start of the group of lines to be excluded from the output or the special value *NONE if no lines are to be excluded.
Number of lines	The number of lines to be excluded.

There are also some additional parameters for the WREPORT command that can only be displayed by using the F10 function key. These are only used under special circumstances as follows:

Post processing program	(Optional) WebReport/i can optionally call a program for you after a report has been through conversion to HTML, RTF or PDF format for local deployment. This program can be used to perform additional processing steps on the output file once the conversion is complete. Enter the name of the program you want to call in this parameter along with the library where it is stored on your system. If you leave this parameter blank or specify the special value '*NONE', no program will be called.
Parameters for post pgm	(Optional) This parameter provides for user parameter values to be passed to the post processing program. These values are passed as the third parameter to the called program.

When you specify a post processing program, the program will be called with three parameters passed to it. These parameters are dependent on the specifications for the report conversion requested and will be as follows:

Parm 1 - Length=5 Contains one of the following values:

- ***FILE** the report was converted and stored in a source physical file
- ***FLR** the report was converted and stored in a shared folder
- ***IFS** the report was converted and stored in an IFS folder

Parm 2 - Length=120 This parameter describes where the converted report has been stored. It has a variable format as follows:

For *FILE calls:

Pos 1-10 - Source File Name
11-20 - Source File Library
21-30 - Source File Member

For *FLR calls:

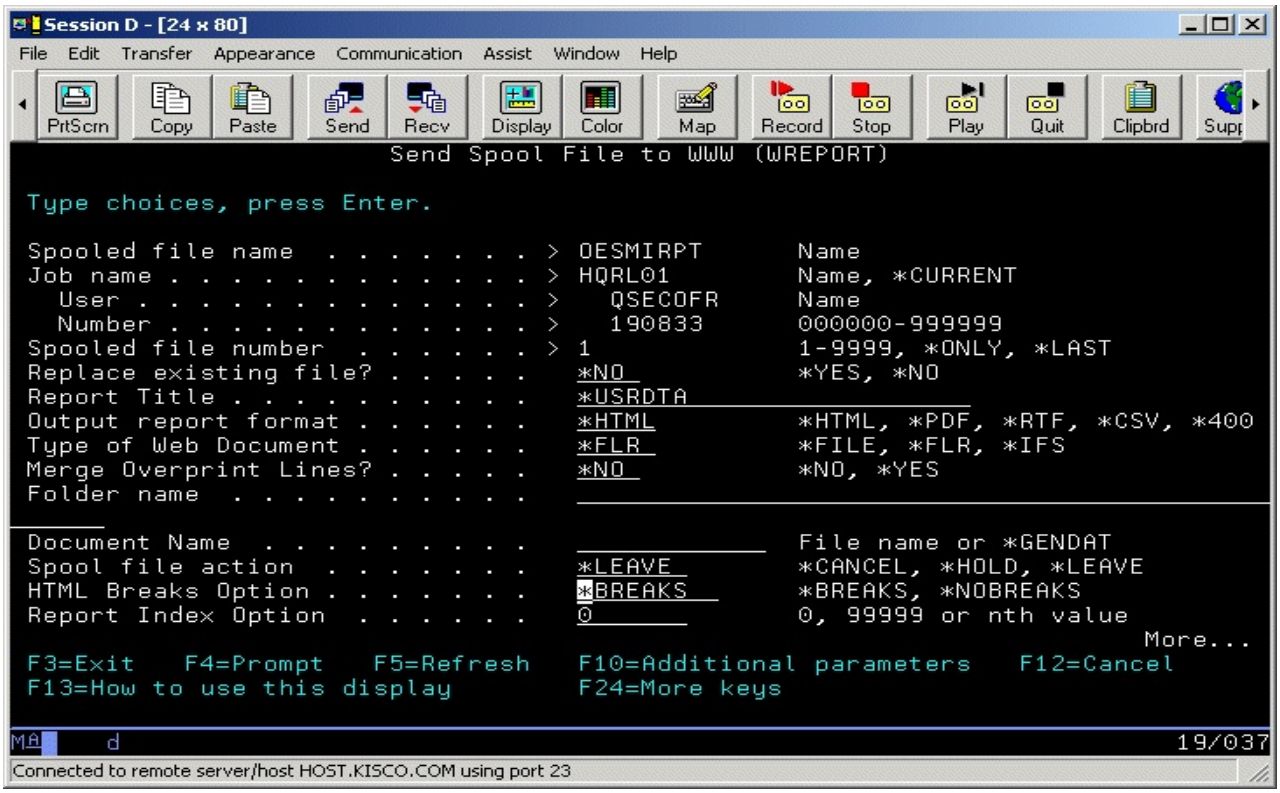
Pos 1-12 - PC File Name
13-53 - Folder Name

For *IFS calls:

Pos 1-12 - PC File Name
13-120 - IFS Location

Parm 3 Length=150 An external parameter string supplied by you. This will contain the parameter POSTPARM from the WREPORT command.

If you specify *HTML for the type of output format, the following additional parameters will be prompted for the WREPORT command:


Session D - [24 x 80]
File Edit Transfer Appearance Communication Assist Window Help
PrtScrn Copy Paste Send Recv Display Color Map Record Stop Play Quit Clipbrd
Send Spool File to WWW (WREPORT)
Type choices, press Enter.
Spooled file name . . . . . > OESMIRPT Name
Job name . . . . . > HQRL01 Name, *CURRENT
User . . . . . > QSECOFR Name
Number . . . . . > 190833 000000-999999
Spooled file number . . . . . > 1 1-9999, *ONLY, *LAST
Replace existing file? . . . . . *NO *YES, *NO
Report Title . . . . . *USRDTA
Output report format . . . . . *HTML *HTML, *PDF, *RTF, *CSV, *400
Type of Web Document . . . . . *FLR *FILE, *FLR, *IFS
Merge Overprint Lines? . . . . . *NO *NO, *YES
Folder name . . . . . *NONE
Document Name . . . . . File name or *GENDAT
Spool file action . . . . . *LEAVE *CANCEL, *HOLD, *LEAVE
HTML Breaks Option . . . . . *BREAKS *BREAKS, *NOBREAKS
Report Index Option . . . . . 0 0, 99999 or nth value
More...
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
MA d 19/037
Connected to remote server/host HOST.KISCO.COM using port 23

Note that for this example, the *FLR option for the file destination has also been chosen. The parameters on the screen can be completed as follows:

HTML Breaks Option — Choose one of the following values:

***BREAKS** a line of hyphens will be inserted in the output HTML document to show where the page breaks occur.

***NOBREAKS** no line of hyphens will be inserted.

Report Index Option — Specifies whether you want to generate an index to the report at the top of the HTML document. Choose one of the following values:

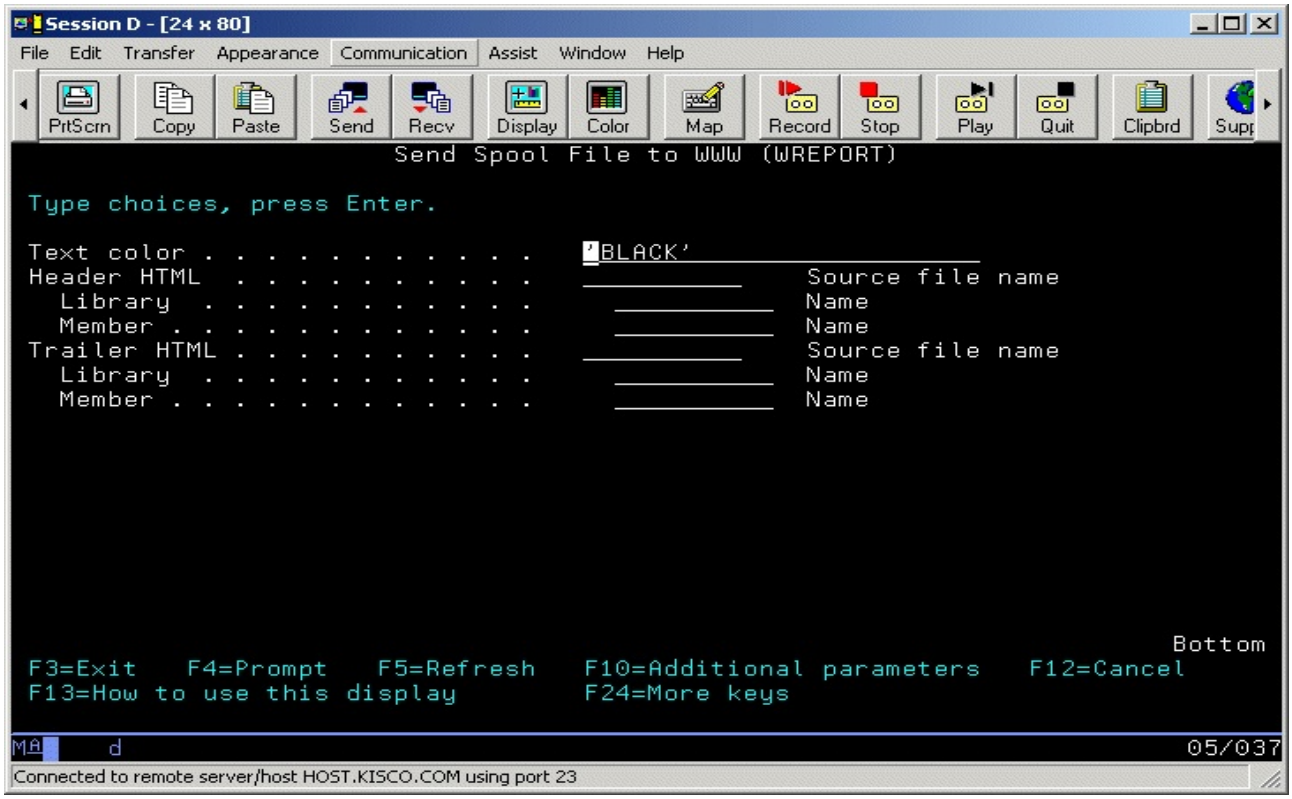
0 - No page index will be produced.

99999 - A single page index will be generated which will point to the last page of the report.

nnn - A page index will be generated for every nnnth page of the report. An index to the last page will automatically be included.

Scrolling up will display the following screen of additional HTML conversion options:

Text Color — Enter the name of the color that you would like to have used when the text for the report is displayed on a browser. The default value is BLACK. Any valid color name can be used. Sixteen standard color names include supported include


Session D - [24 x 80]
File Edit Transfer Appearance Communication Assist Window Help
PrtScrn Copy Paste Send Recv Display Color Map Record Stop Play Quit Clipbrd Supp
Send Spool File to WWW (WREPORT)
Type choices, press Enter.
Text color . . . . . 'BLACK'
Header HTML . . . . . Source file name
Library . . . . . Name
Member . . . . . Name
Trailer HTML . . . . . Source file name
Library . . . . . Name
Member . . . . . Name
Bottom
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
MA d 05/037
Connected to remote server/host HOST.KISCO.COM using port 23

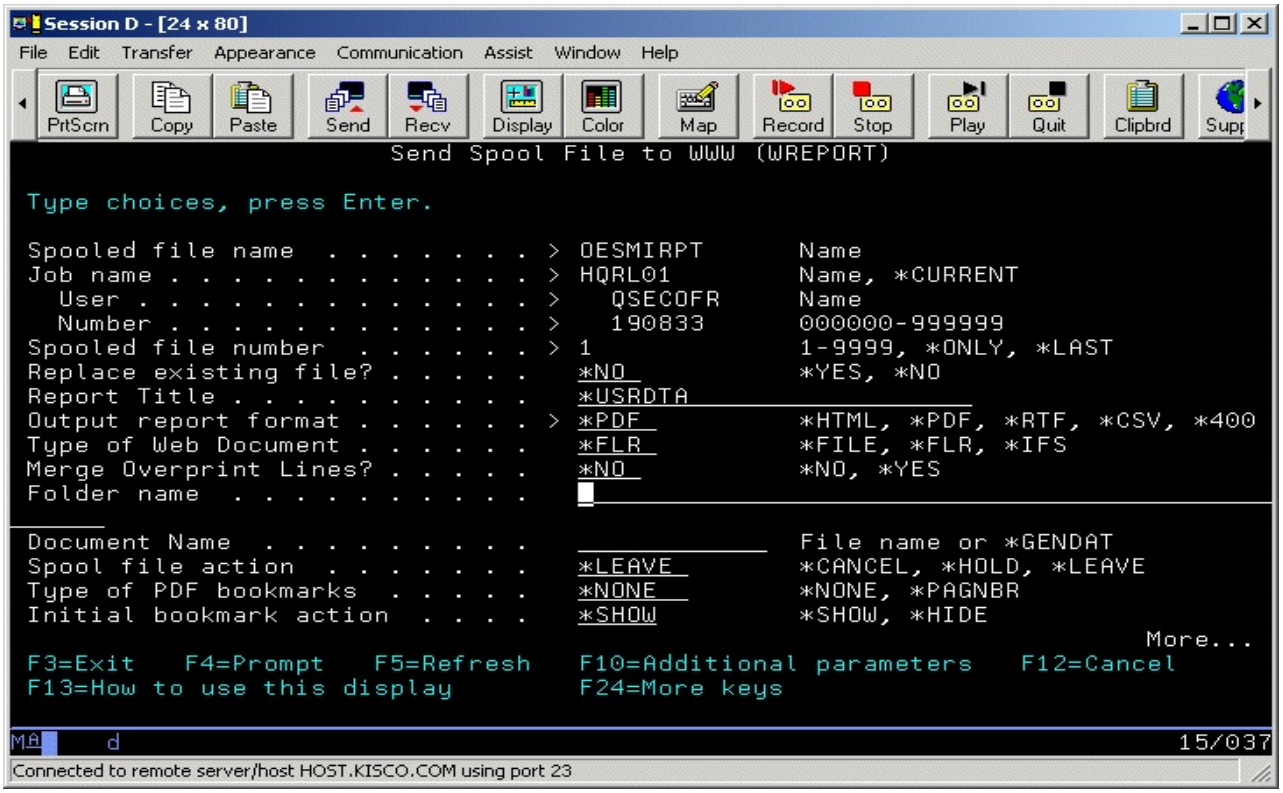
AQUA, BLACK, BLUE, FUCHSIA, GRAY, GREEN, LIME, MAROON, NAVY, OLIVE, PURPLE, RED, SILVER, TEAL, WHITE and YELLOW.

Header HTML — Enter the name of a source file, library and member name where you have HTML statements built on your system. WebReport/i will insert these HTML statements at the beginning of your report. This will enable you to create a customized heading that can include links and graphics.

Trailer HTML — Enter the name of a source file, library and member name where you have HTML statements built on your system. WebReport/i will insert these HTML statements at the end of your report. This will enable you to create a customized trailer that can include links and graphics.

Note: WebReport/i is shipped with sample HTML code blocks for header and trailer use. There are named TESTHDR and TESTTRL respectively and are stored in a source file named QDOC in the library named WEBREPORT.

If you specify *PDF for the type of output format, the following additional parameters will be prompted for the WREPORT command:


Session D - [24 x 80]
File Edit Transfer Appearance Communication Assist Window Help
PrtScrn Copy Paste Send Recv Display Color Map Record Stop Play Quit Clipbrd
Send Spool File to WWW (WREPORT)
Type choices, press Enter.
Spooled file name . . . . . > OESMIRPT Name
Job name . . . . . > HQRL01 Name, *CURRENT
User . . . . . > QSECOFR Name
Number . . . . . > 190833 000000-999999
Spooled file number . . . . . > 1 1-9999, *ONLY, *LAST
Replace existing file? . . . . . *NO *YES, *NO
Report Title . . . . . *USRDTA
Output report format . . . . . > *PDF *HTML, *PDF, *RTF, *CSV, *400
Type of Web Document . . . . . *FLR *FILE, *FLR, *IFS
Merge Overprint Lines? . . . . . *NO *NO, *YES
Folder name . . . . . *
Document Name . . . . . File name or *GENDAT
Spool file action . . . . . *LEAVE *CANCEL, *HOLD, *LEAVE
Type of PDF bookmarks . . . . . *NONE *NONE, *PAGNBR
Initial bookmark action . . . . *SHOW *SHOW, *HIDE
More...
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
15/037
Connected to remote server/host HOST.KISCO.COM using port 23

Note that for this example, the *FLR option for the file destination has also been chosen. The parameters on the screen can be completed as follows:

Type of PDF bookmarks — Enter one of the following values:

***NONE** — No PDF bookmarks will be added to the report

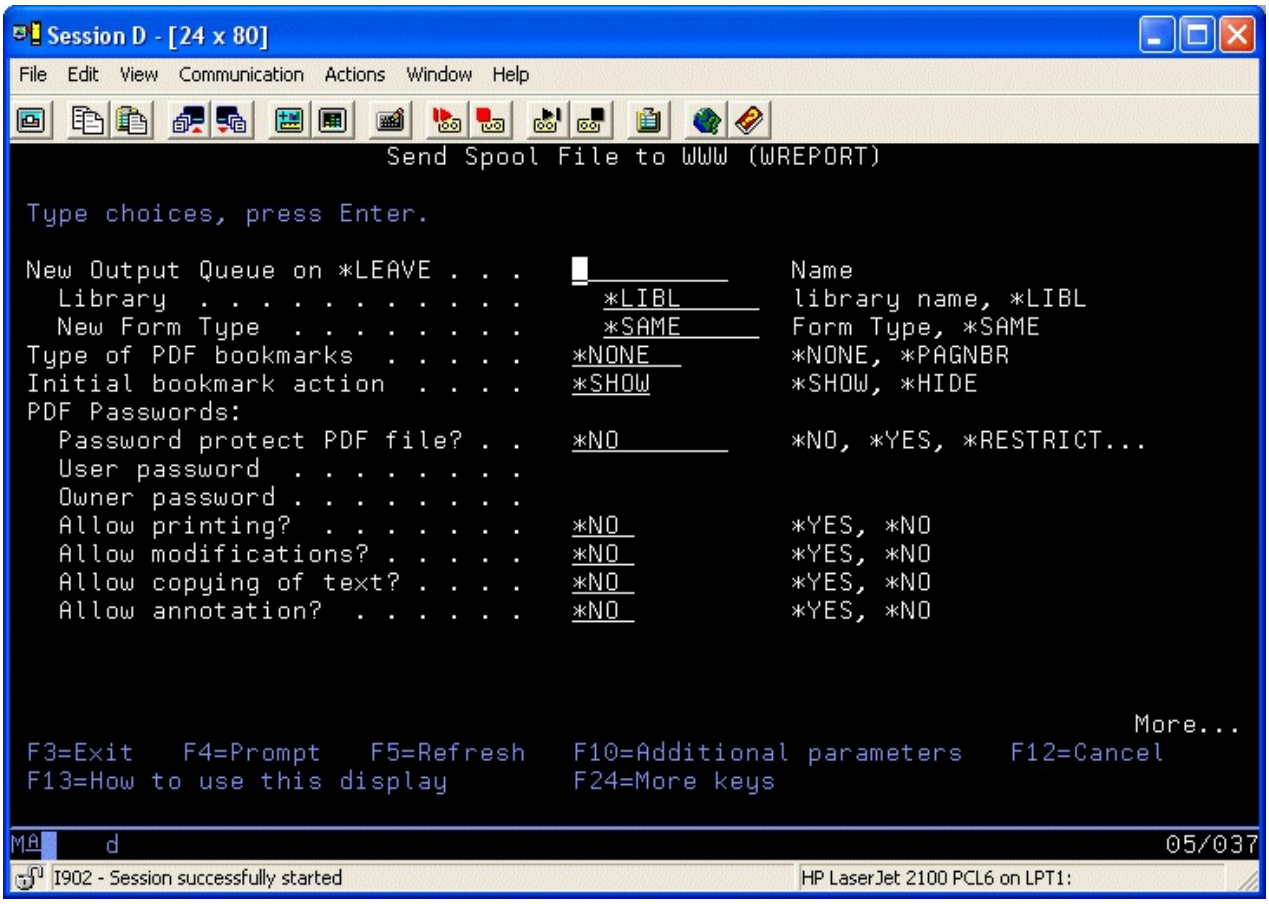
***PAGNBR** — Page number PDF bookmarks will be added

Initial bookmark action — Enter one of the following values:

***SHOW** — The bookmarks will be displayed when the PDF file is opened

***HIDE** — The bookmarks will not be displayed when the PDF file is opened. The user will have the option to open them on demand.

When a *PDF conversion is selected, you will be prompted for the Acrobat security fields:

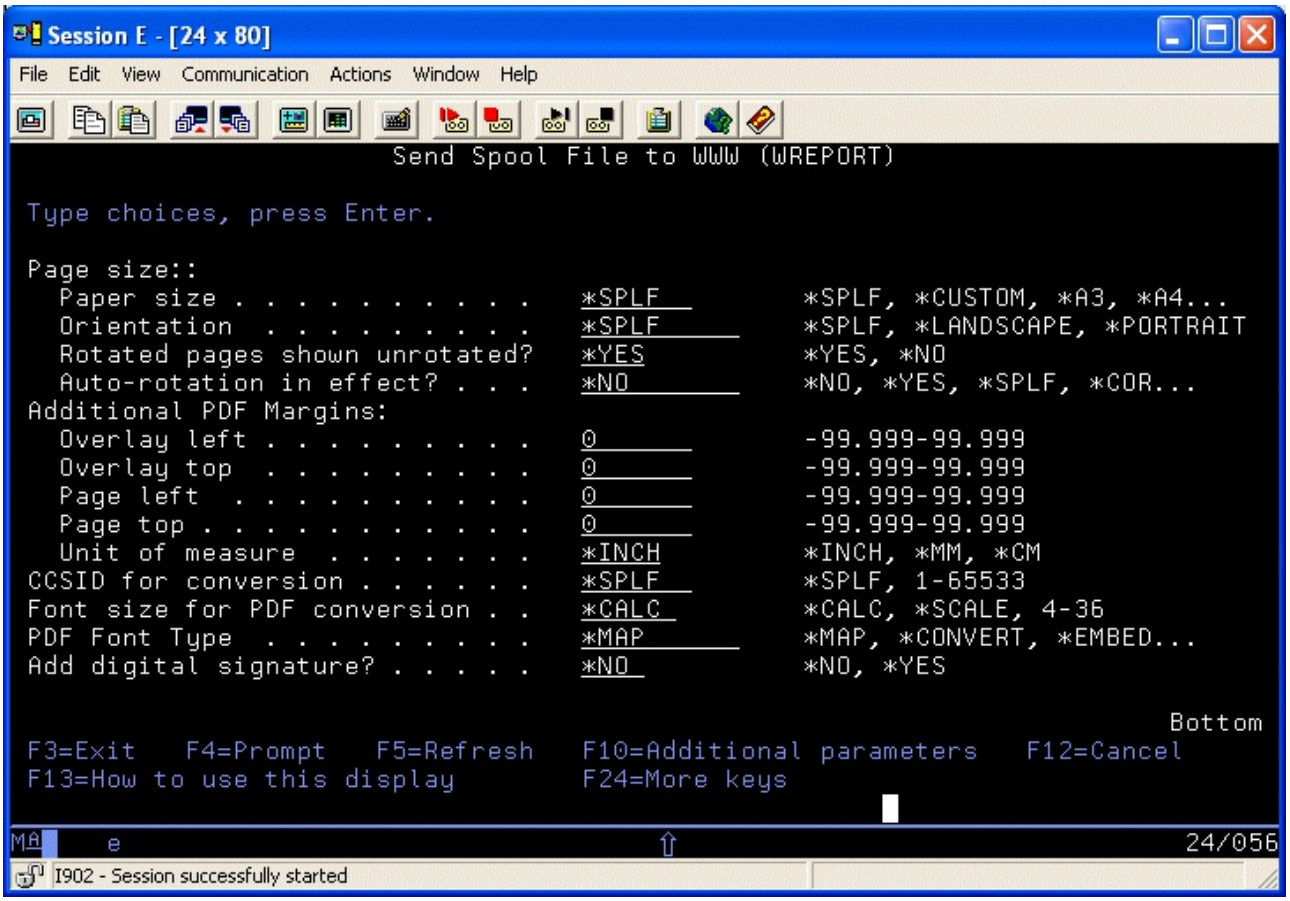

Session D - [24 x 80]
File Edit View Communication Actions Window Help
Send Spool File to WWW (WREPORT)
Type choices, press Enter.
New Output Queue on *LEAVE . . . Name
Library . . . . . *LIBL library name, *LIBL
New Form Type . . . . . *SAME Form Type, *SAME
Type of PDF bookmarks . . . . . *NONE *NONE, *PAGNBR
Initial bookmark action . . . . *SHOW *SHOW, *HIDE
PDF Passwords:
Password protect PDF file? . . *NO *NO, *YES, *RESTRICT...
User password . . . . . .
Owner password . . . . . .
Allow printing? . . . . . *NO *YES, *NO
Allow modifications? . . . . . *NO *YES, *NO
Allow copying of text? . . . . *NO *YES, *NO
Allow annotation? . . . . . *NO *YES, *NO
More...
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
MA d 05/037
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

If you do not want to specify any of the Acrobat security features, leave the default value of *NO on the password protect field (the first parameter) and skip to the Additional Margins fields. By changing the value to *YES, you must the specify some or all of the additional fields as follows:

User password	This is a case sensitive field of 32 characters. Enter the user password you want associated with the converted PDF file.
Owner password	This is a case sensitive field of 32 characters. Enter the owner password you want associated with the converted PDF file.
Allow printing?	If you want to allow printing of the PDF file, change this parameter to *YES.
Allow modifications?	If you want to allow the PDF file to be modified, change this parameter to *YES.
Allow copying of text?	If you want to allow text to be copied from the PDF file, change this parameter to *YES.
Allow annotation?	If you want to allow annotations to be made to the PDF file, change this parameter to *YES.

Note: When you specify *YES for the Acrobat password, the Acrobat file is automatically encrypted.

WebReport/i also provides page size, page alignment and overlay alignment options that you will see on the following display:
Kisco recommends that, initially, you use the default settings for the page size set of parameters. If you find that you are having issues with page size, or if you are sending spool files as fax documents through MetroFax, then you can experiment with different settings. For fax rules, see the separate section of this manual for specific recommendations.


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Send Spool File to WWW (WREPORT)
Type choices, press Enter.
Page size::
Paper size . . . . . *SPLF *SPLF, *CUSTOM, *A3, *A4...
Orientation . . . . . *SPLF *SPLF, *LANDSCAPE, *PORTRAIT
Rotated pages shown unrotated? *YES *YES, *NO
Auto-rotation in effect? . . . *NO *NO, *YES, *SPLF, *COR...
Additional PDF Margins:
Overlay left . . . . . 0 -99.999-99.999
Overlay top . . . . . 0 -99.999-99.999
Page left . . . . . 0 -99.999-99.999
Page top . . . . . 0 -99.999-99.999
Unit of measure . . . . . *INCH *INCH, *MM, *CM
CCSID for conversion . . . . . *SPLF *SPLF, 1-65533
Font size for PDF conversion . . *CALC *CALC, *SCALE, 4-36
PDF Font Type . . . . . *MAP *MAP, *CONVERT, *EMBED...
Add digital signature? . . . . . *NO *NO, *YES
Bottom
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
MA e 24/056
I902 - Session successfully started

Paper size	Use one of the following values: *SPLF, *CUSTOM, *A3, *A4, *A5, *B4, *B5, *LETTER, *LEGAL, *EXEC, *LEDGER. Note that customer, exec and ledger are not fully available as of this release.
Orientation	Use one of the following values: *SPLF, *LANDSCAPE, *PORTRAIT
Rotated pages shown unrotated?	Choose either *YES or *NO
Auto-rotation in effect?	Choose one of the following values: *NO, *YES, *SPLF, *COR, *PAGESIZE. Note that the pagesize option is not implemented as of this release.

You can also control page alignment and AFP overlay alignment from this screen. Some trial and error will be needed to find the right set of parameters. Most pages and AFP overlays will align correctly without any adjustments. If you find you need adjustments, try the following:

Overlay left	Controls the left margin of the overlay. Specify a number in the range indicated on the prompt.
Overlay top	Controls the top margin of the overlay. Specify a number in the range indicated on the prompt.
Page left	Controls the left hand margin for the page.
Page top	Controls the top margin for the page.
Unit of measure	Describes the values used for alignment as either in inches (*INCH), millimeters (*MM) or centimeters (*CC).

The following additional parameters are also requested for a *PDF process:

CCSID for conversion	Specify the CCSID value that you want to associate with the spool file being converted. This parameter only applied to *PDF conversions. Choose from the following:	
	*SPLF	Use the CCSID value associated with the spool file.
	*JOB	Use the CCSID value associated with the current job.
	*SYSVAL	Use the CCSID value associated with the system value QCCSID.
	*USER	Use the CCSID value associated with the user profile.
	1-65533	Use the specific CCSID value entered.
Font size for PDF conv	For *PDF conversions, this parameter gives you control over the size of the font used. Choose from the following:	
	*CALC	Use this default value to let WebReport/i calculate a font size based on the attributes of your print file.
	*SCALE	If you find that *CALC does not produce a satisfactory result, try this *SCALE value. A different method will be used to set the font size based on different spool file attributes from your report.
	4-36	If you want to use a specific font size, code the numeric value within the range of 4 to 36.

PDF Font Type — Choose one of the following values:

*MAP — WebReport/i will attempt to map the font in your spool file as closely as possible using PDF fonts available. This is the default value and will normally produce the desired result.

*EMBED — WebReport/i will embed the selected font directly into the PDF file. When *MAP results are unsatisfactory, this option should be tried as it may give better results.

*CONVERT — This is the same as *MAP.

For specific font faces, use the HELP (F1) key to display a list of those that are available.

Some customers reported issues to us when using color overlays. The problems are associated with sections of the spool file getting overlaid with areas of the overlay. If you experience this problem, then we recommend that you process the following two commands on your system and then try the PDF conversions again:

```
ADDENVVAR ENVVAR(CS_PDF_NON_HPT_OVL_IMG) VALUE(*YES)
LEVEL(*SYS)

ADDENVVAR ENVVAR(CS_PDF_HPT_OVL_IMG) VALUE(*YES) LEVEL(*SYS)
```

With this version installed, the above two commands should change the results that you are seeing so that the overlay is handled correctly.

We specifically do NOT recommend setting these two environment variable unless you have the documented issue.

FTP Converted Spool Files

WebReport/i now contains an easy to use batch FTP routine that you can use to transfer converted spool files to other systems. Typically, this is done when you want to transfer a spool file to a web server.

The batch FTP process is done using a new command in WebReport/i called WRFTPSND (WebReport/i FTP File Send). You can use this command on a stand-alone basis or you can integrate it into a post process program automatically called by WebReport/i following a spool file conversion.

Batch FTP in IBM i/OS works with a script file. We have added a new source physical file to the WEBREPORT library named QWEBSRC where your FTP scripts should be stored. You will find a sample script in this file already. You can create new scripts from scratch or use the sample as a pattern. The script is nothing more than a series of FTP commands to be issued once an FTP connection has been established. When creating scripts, do not use a starting line with your user profile and password, WebReport/i will automatically add that FTP logon information at the start of your script before it is executed. These fields are provided in the new command.

In the sample script included, which is named "SS", the objective of the FTP session is to send a file named TEXTIN.HTM to the remote system. The file is stored in the /QDLS/KISCO folder on your sending system. On the receiving system, it will be placed in the /QDLS/WEBREPORT folder and the name will be changed to TEXTOUT.HTM.

You must specify a log file name. That will be created as a member in the QWEBSRC file when the batch FTP process runs. If you have any problems with the FTP session, reviewing the log file should show you exactly what's going on.

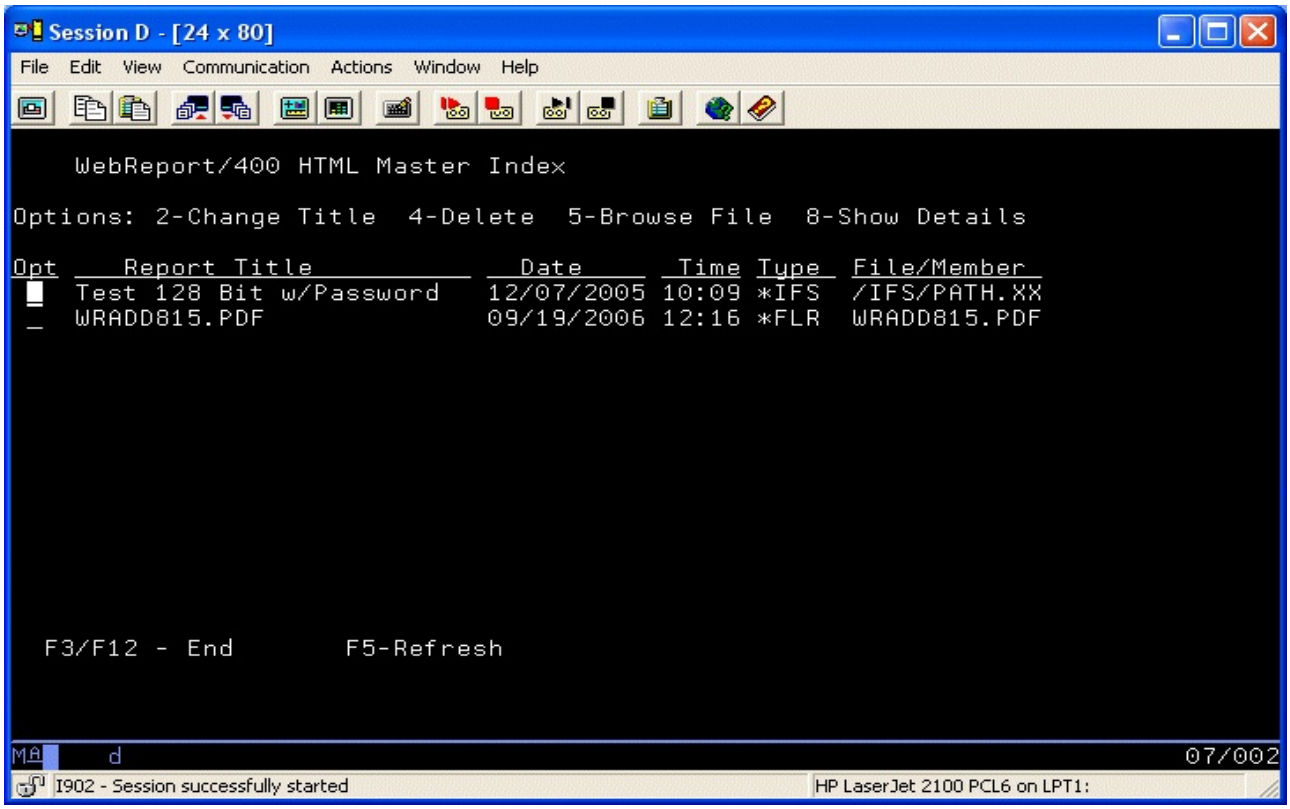
You can also use this process for automatic file processing from the POSTPGM parameter in the WREPORT command. This will let you create your own CL program to automatically use batch FTP to send a file as soon as the spool file conversion is done. We have included a sample CL program for you to use in the new QCLSRC source physical file in the WEBREPORT library. This sample CL program is named WRFTPPOST. The POSTPGM process passes parameters to the called CL program, but the sample provided ignores the parameters and just calls the FTP batch process to accomplish the file send via FTP.

If you have any questions about how to best implement FTP for spool file conversion transfers and can't sort it out from this explanation, feel free to contact us at "support@kisco.com" for advice.

Review HTML Index

This menu option will let you review the current contents of the HTML Index. This index shows all reports that have been converted into HTML documents (or other formats) along with complete information about each one. When you start the review, the following screen will be displayed:

Each detail line on the display represents a different HTML document that has been created by


Session D - [24 x 80]
File Edit View Communication Actions Window Help
WebReport/400 HTML Master Index
Options: 2-Change Title 4-Delete 5-Browse File 8-Show Details
Opt Report Title Date Time Type File/Member
Test 128 Bit w/Password 12/07/2005 10:09 *IFS /IFS/PATH.XX
WRADD815.PDF 09/19/2006 12:16 *FLR WRADD815.PDF
F3/F12 - End F5-Refresh
MA d 07/002
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

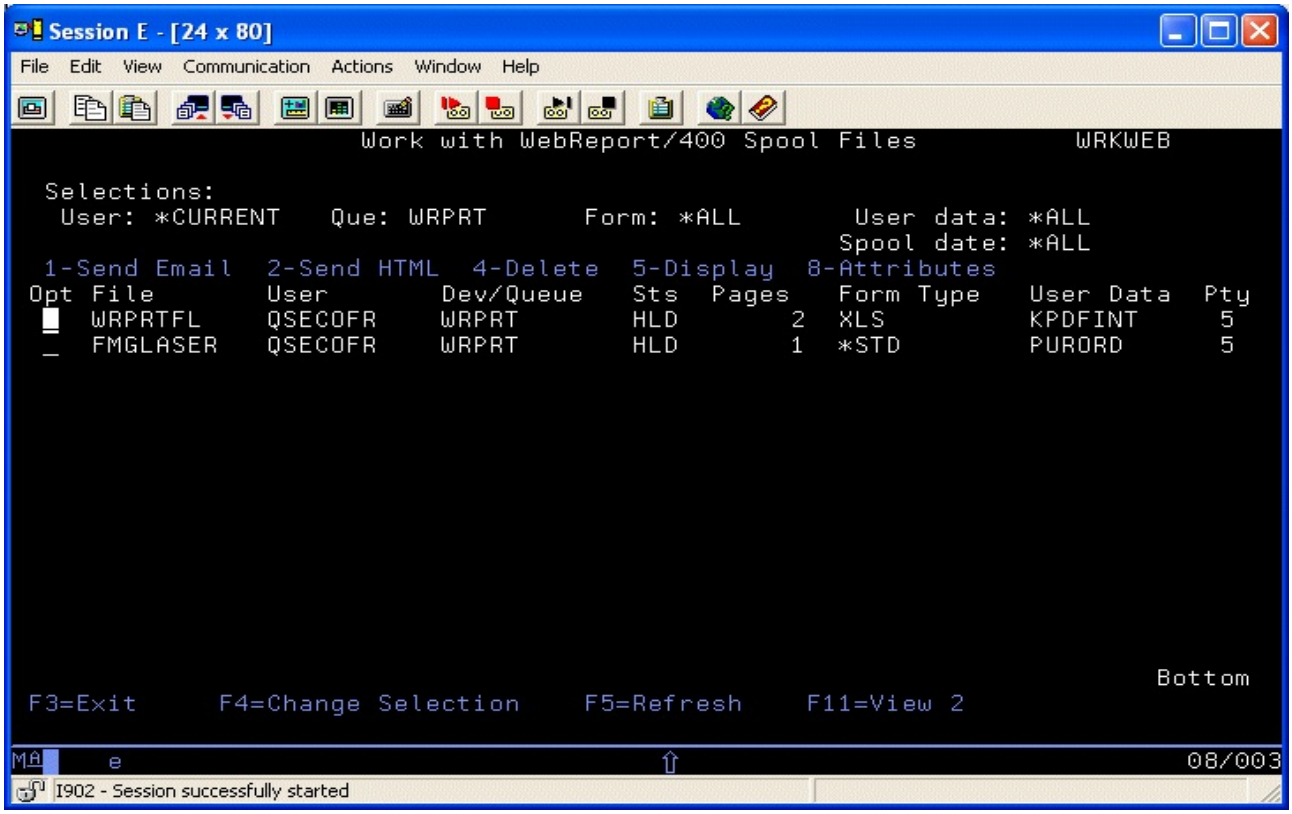
WebReport/i. You can work with these entries by typing one of the option numbers shown at the top of the screen under the "Opt" column on the left of the screen. The options take the following actions:

Option	Action Description
2	Change - This option allows you to change the Report Title information for the selected entry.
4	Delete - The selected entry will be deleted along with the associated HTML document.
5	Browse File - The contents of the HTML document will be displayed for review. You will not be able to make any changes to the HTML document using this option.
8	Show Details - More detailed information about the HTML document will be displayed for the selected entry.

We recommend that you use this screen to perform all deletions of HTML documents. This will guarantee that both the HTML document and the index entry for it are deleted concurrently.

Work with WebReport/i Spool Files

This menu option will display all spool files for the current user profile. A typical display might appear as follows:
Each line on the display represents a separate spool file on your system. You can work with these


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Work with WebReport/400 Spool Files WRKWEB
Selections:
User: *CURRENT Que: WRPRT Form: *ALL User data: *ALL
Spool date: *ALL
1-Send Email 2-Send HTML 4-Delete 5-Display 8-Attributes
Opt File User Dev/Queue Sts Pages Form Type User Data Pty
WRPRTFL QSECOFR WRPRT HLD 2 XLS KPDFINT 5
FMGLASER QSECOFR WRPRT HLD 1 *STD PURORD 5
Bottom
F3=Exit F4=Change Selection F5=Refresh F11=View 2
MA e 08/003
I902 - Session successfully started

spool files by choosing an option from the list shown across the top of the display and placing it in the field shown to the left of the line. The options are as follows:

Opt	Description
1	Send Email

Selects the spool file and then prompts for the EREPORT command to send it as an Email attachment. The spool identification fields are pre-filled for you and all you have to do is complete the command parameters. Refer to the previous section on sending Email for a full discussion on these command options.

2 Send HTML

Selects the spool file and then prompts for the WREPORT command to convert it into an HTML file. The spool identification fields are pre-filled for you and all you have to do is complete the command parameters. Refer to the previous section on converting reports into HTML for a full discussion on these command options.

4 Delete

Lets you delete the selected spool file. A confirmation screen is displayed that allows you to

cancel the delete operation if it was selected in error.

5 Display

Displays the contents of the spool file on your display. You can use this to confirm that the correct spool file is selected prior to acting on it.

8 Attributes

Displays some of the print attributes for the selected spool file.

When you run this option from the MASTER menu, it starts in prompt mode so that you can use different filters that will limit the spool files displayed. This same option can be done by typing the command name and pressing the F4 prompt key. While the spool file list is displayed, you can use the F4 function key to change the filters without having to exit the list.

These command displays offer two different views and have been patterned after the IBM i/OS command WRKOUTQ (Work with Output Queue). As shipped, the display defaults to View 1. From this display, you can press the F11 key and toggle over to View 2. Pressing F11 again will bring you back to View 1.

The heading of the display shows the selection/filter criteria that you selected when starting the command. If you find that you prefer to the set of information displayed from View 2, you can set that as your default starting view. This is done from the WEBSET command (option #9 on the INSTALL menu). A new parameter lets you specify your default view setting.

In a recent change, WebReport/i was updated so that it would always automatically refresh the list of spool files on the WRKWEBSPLF display after every individual use. Some customers, however, have expressed to us that they were in the habit of selecting multiple line item options and then working through them in a single work flow. The change we implemented would no longer support this method of working from the WRKWEBSPLF display.

With this version, there is a global option that you can set for WebReport/i that will make the WRKWEBSPLF process work like it used to prior to the change. To implement this global change, you must update the CONTROL data area in library WEBREPORT so that position 199 is set to the letter 'A' (upper case only). You can use the following command to make this change:

```
CHGDTAARA DTAARA(WEBREPORT/CONTROL (199 1)) VALUE('A')
```

Once you have made this change, you will then be able to run multiple line item options from the WRKWEBSPLF display and move from selection to selection without going back to the list of spool files. If after making this change, you decide that you want to go back to the new default way of handling the spool file list, you can reset the data area by using the following command:

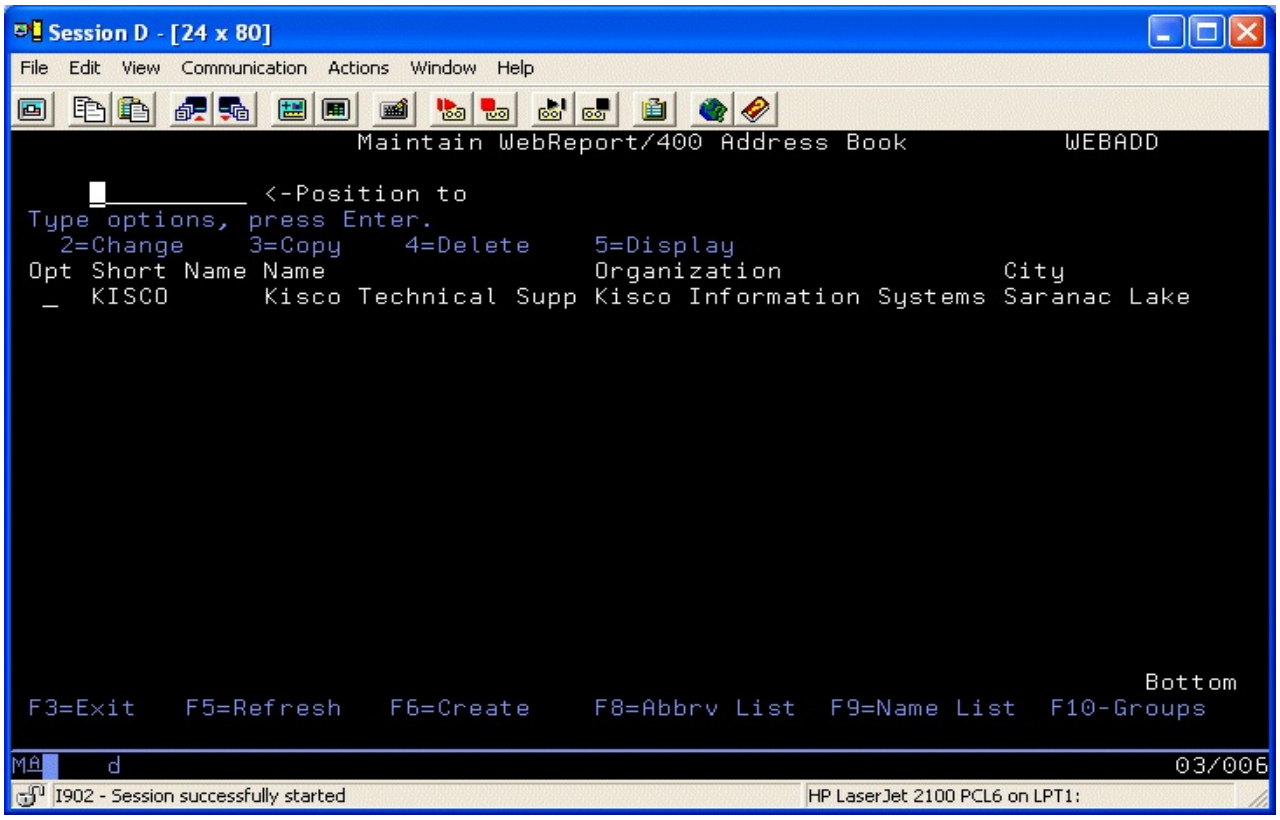
```
CHGDTAARA DTAARA(WEBREPORT/CONTROL (199 1)) VALUE(' ')
```

Maintain Address Book

The WebReport/i address book lets you store complex direct internet E-mail addresses and other information in an easy to reference way. Once an address book entry has been established, you can then refer to it by just using the abbreviation that you assign when the entry is created.

To start using the address book, choose option #5 from the MASTER menu and the following screen will be displayed:

From this screen, you can add new address book entries, review and update existing entries and


Session D - [24 x 80]
File Edit View Communication Actions Window Help
Maintain WebReport/400 Address Book WEBADD
<-Position to
Type options, press Enter.
2=Change 3=Copy 4=Delete 5=Display
Opt Short Name Name Organization City
KISCO Kisco Technical Supp Kisco Information Systems Saranac Lake
Bottom
F3=Exit F5=Refresh F6=Create F8=Abbrv List F9=Name List F10-Groups
MA d 03/006
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

delete entries that you do not want to use any longer. The following control keys can be used from this display:

F3 End the update session.

F5 Refresh the information displayed on the screen.

F6 Open a blank window to add a new address book entry.

F8 Create a listing of the Address Book in sequence by the abbreviation code.

F9 Create a listing of the Address Book in sequence by the name.

F10 Work with address group codes.

After address book entries have been established, you can use the options listed at the top of the screen to work with the entries. The options are as follows:

2 Change - Lets you make changes to the selected entry.

3 Copy - Lets you make a copy of an existing entry and give is a new abbreviation.

4 Delete - Lets you delete a selected entry.

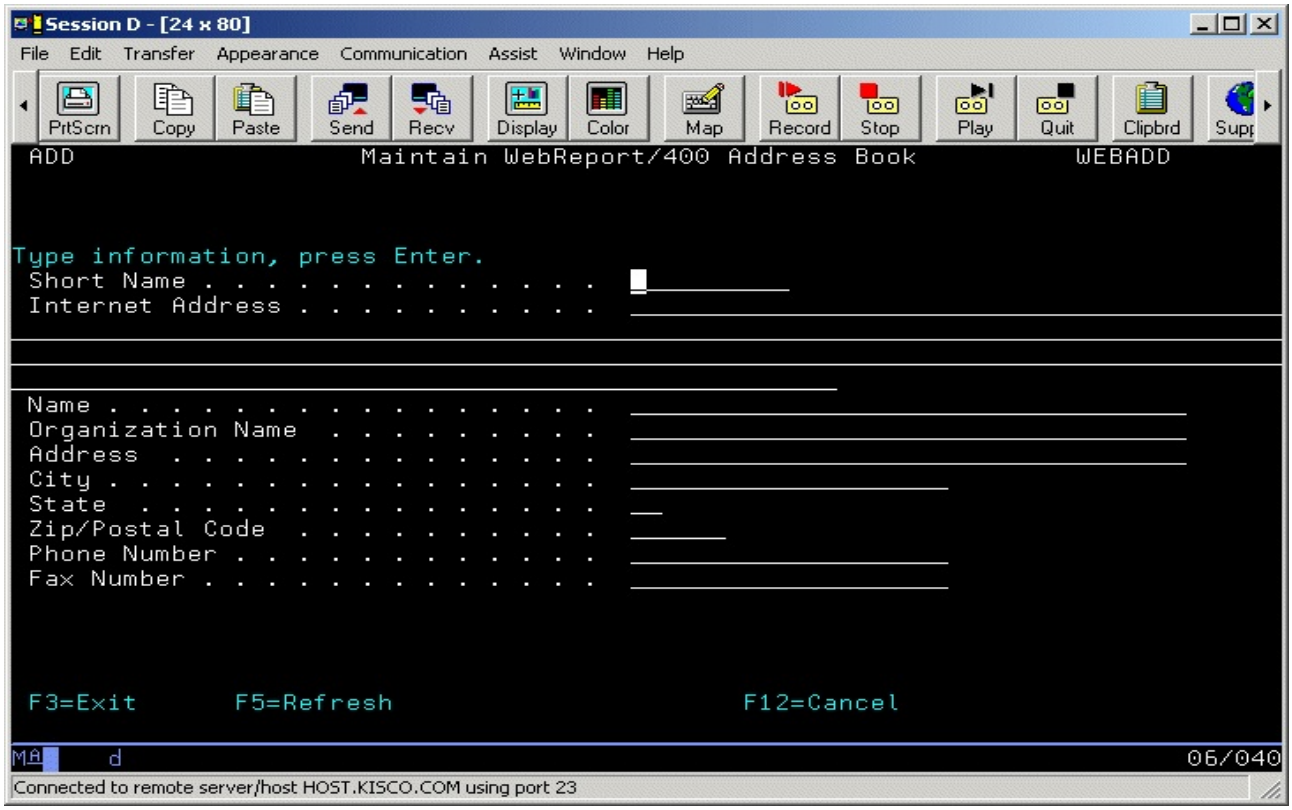
5 Review - Displays the full address book entry for your review.

To use any of these options, key the option on the line you want to work with and press ENTER. Each option is discussed separately below along with the "Add" functions:

Adding a new Address Book Entry

When you press the F6 function, a blank screen will be opened to let you create a new address book entry. This screen will appear as follows:
Fill in the fields as follows:

Short Name	Enter the abbreviation name that you want to use. Any value can be used. This is a required entry.
Internet Address	Enter the direct internet address that you want to use for the person. This is a required entry.



The rest of the entries on the screen are optional and do not need to be entered.

Name	Enter the recipient's name.
Organization Name	Enter the recipient's company or organization name.
Address	Enter the street address for the recipient.
City	Enter the city name.
State	Enter an abbreviated state name.
Zip/Postal Code	Enter the zip or postal code for the address.
Phone Number	Enter the recipient's telephone number
Fax Number	Enter the recipient's fax number

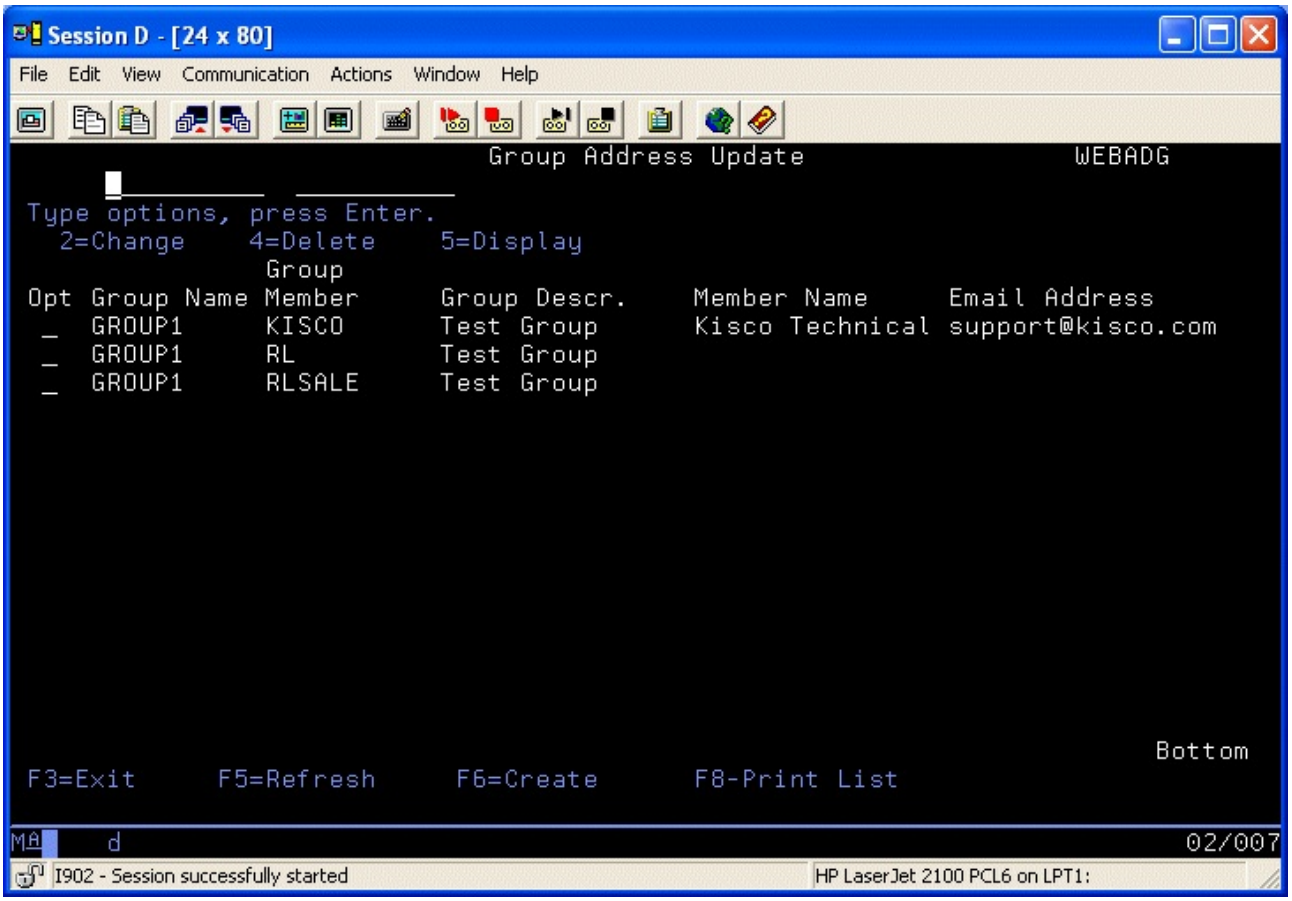
Once the fields you want to use have been entered, press ENTER to record the entry. It is your responsibility to make sure that the direct internet address provided is a good address. WebReport/i will check it for address format but will not verify that it is a working address.

Changing, Deleting and Reviewing Address Book Entries

From the initial display screen, you can Change, Delete or Review address book entries. When you change an entry, all of the edit criteria are reviewed again to guarantee that the stored information is accurate. When you delete an entry, a confirmation screen is displayed so help avoid accidental deletions.

Working with Address Groups

By pressing the F10 key from the Address Master maintenance screen, you can access the address groups feature in WebReport/i. This will display the following screen:

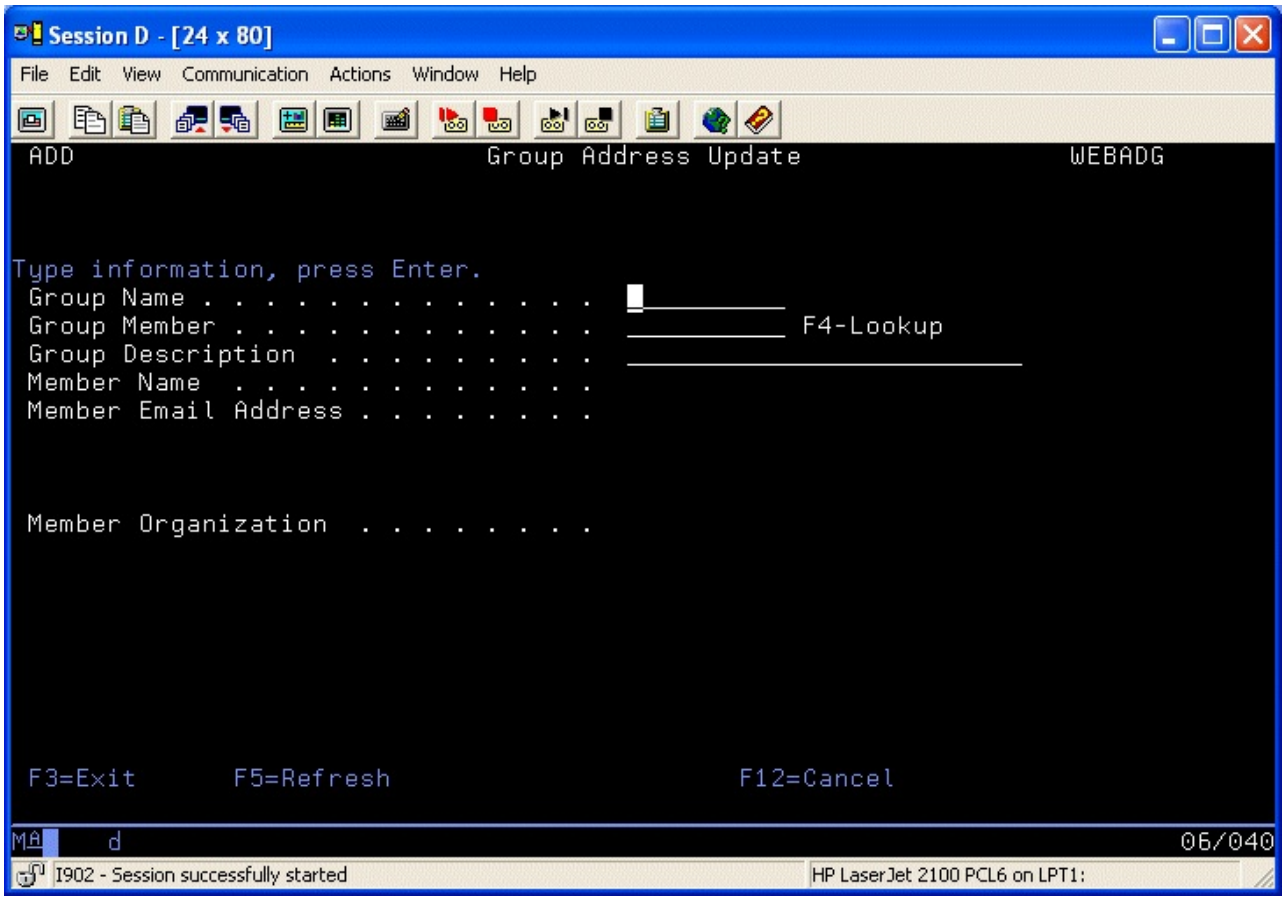

Session D - [24 x 80]
File Edit View Communication Actions Window Help
Group Address Update WEBADG
Type options, press Enter.
2=Change 4=Delete 5=Display
Opt Group Name Group Member Group Descr. Member Name Email Address
GROUP1 KISCO Test Group Kisco Technical support@kisco.com
GROUP1 RL Test Group
GROUP1 RLSALE Test Group
Bottom
F3=Exit F5=Refresh F6=Create F8-Print List
MA d 02/007
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

Address groups allows you to group existing Address Book entries into groups. Once a group has been created, you can send an email report using WebReport/i by just referring to the group name in the address field. For each new name in the group, you must create an additional entry similar to how it is shown above.

From this screen, you can get a listing of the existing groups by pressing the F8 key. This listing will be routed your default session printer.

To return to the Address Book maintenance program, press the F3 key.

To add a new entry to your list, press the F6 key from this display and the following screen will be displayed:


Session D - [24 x 80]
File Edit View Communication Actions Window Help
ADD Group Address Update WEBADG
Type information, press Enter.
Group Name . . . . . .
Group Member F4-Lookup
Group Description . . . . . .
Member Name . . . . . .
Member Email Address . . . . . .
Member Organization . . . . . .
F3=Exit F5=Refresh F12=Cancel
MA d 06/040
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

Enter the following three fields:

Group Name	The name that you want to use to identify your group. It is critical that all the entries you create for your group have the group name spelled identically.
Group Member	Enter the WebReport/i Address Book abbreviation that you want to include in the group. You can use the F4 key to prompt for a list of available entries. From that prompt, you can select entries that are displayed.
Group Description	Enter a simple description for the group.

The other fields on this screen will be filled in for you. When all fields have been entered, press the ENTER key and the group maintenance screen will be displayed showing the groups as configured after the update.

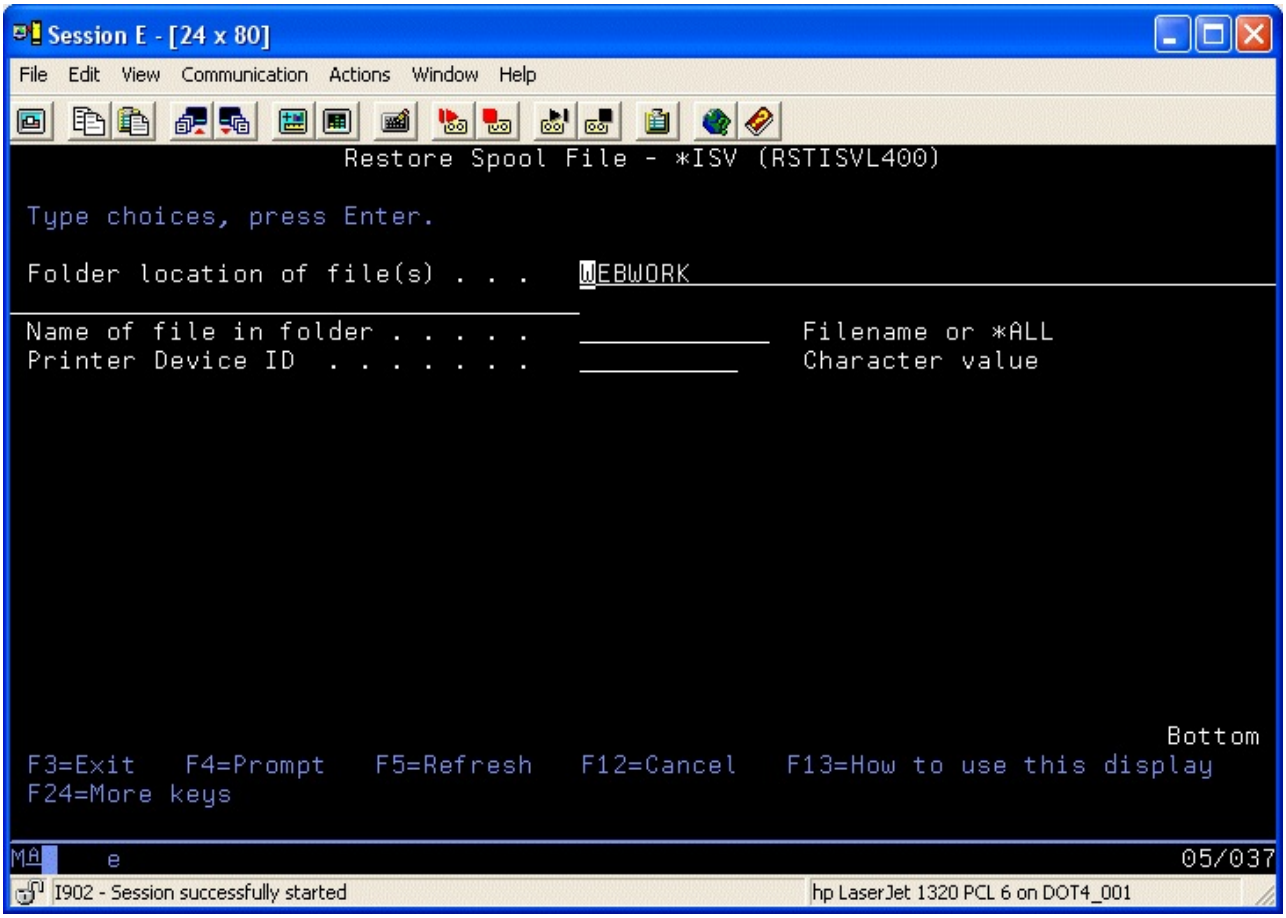
Restore *ISV Spool File

When you convert a spool file into our special *ISV format, it can then be stored and/or sent as an email. The file can then later be restored to the spool file on your iSeries or on any other same system.

The process to save a report from a system and then restore it (either on your system or another system) is a two step process. The first step is to save the spool file, either as an HTML file or as an email attachment. The second step is to restore that file into a folder on the receiving system and then transfer it back into the IBM i/OS spool on that system. This process supports all spool file types. AFP overlays are not transferred at the present time. Use the *ISV format option to create the file.

To restore the spool file at the receiving location, you must transfer the file into folder on this system in the shared folder system. This file system is also called the QDLS file system. Once the file has been stored in a folder, you can then run the new menu option #6 on the MASTER menu in the WEBREPORT library. This will run the new RSTISVL400 (Restore Spool File) command as follows:

This command has three parameters as follows:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Restore Spool File - *ISV (RSTISVL400)
Type choices, press Enter.
Folder location of file(s) . . . WEBWORK
Name of file in folder . . . . . Filename or *ALL
Printer Device ID . . . . . Character value
Bottom
F3=Exit F4=Prompt F5=Refresh F12=Cancel F13=How to use this display
F24=More keys
05/037
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

Folder location of file(s) Enter the name of the folder where the *ISV format file or

	files are stored in the QDLS file system. The default value of WEBWORK can be used if this is where the file or files were stored when created.
Name of file	The file name of the *ISP format file. This will end with the '.40v' filename extension. If you want to restore all of the stored spool files in the selected folder, use the special value of ***ALL**.
Printer Device ID	The name of the printer device on the receiving system where you want the spool files placed.

When you run the command, the spool file will be restored and placed in the output queue associated with the PRTDEV parameter.

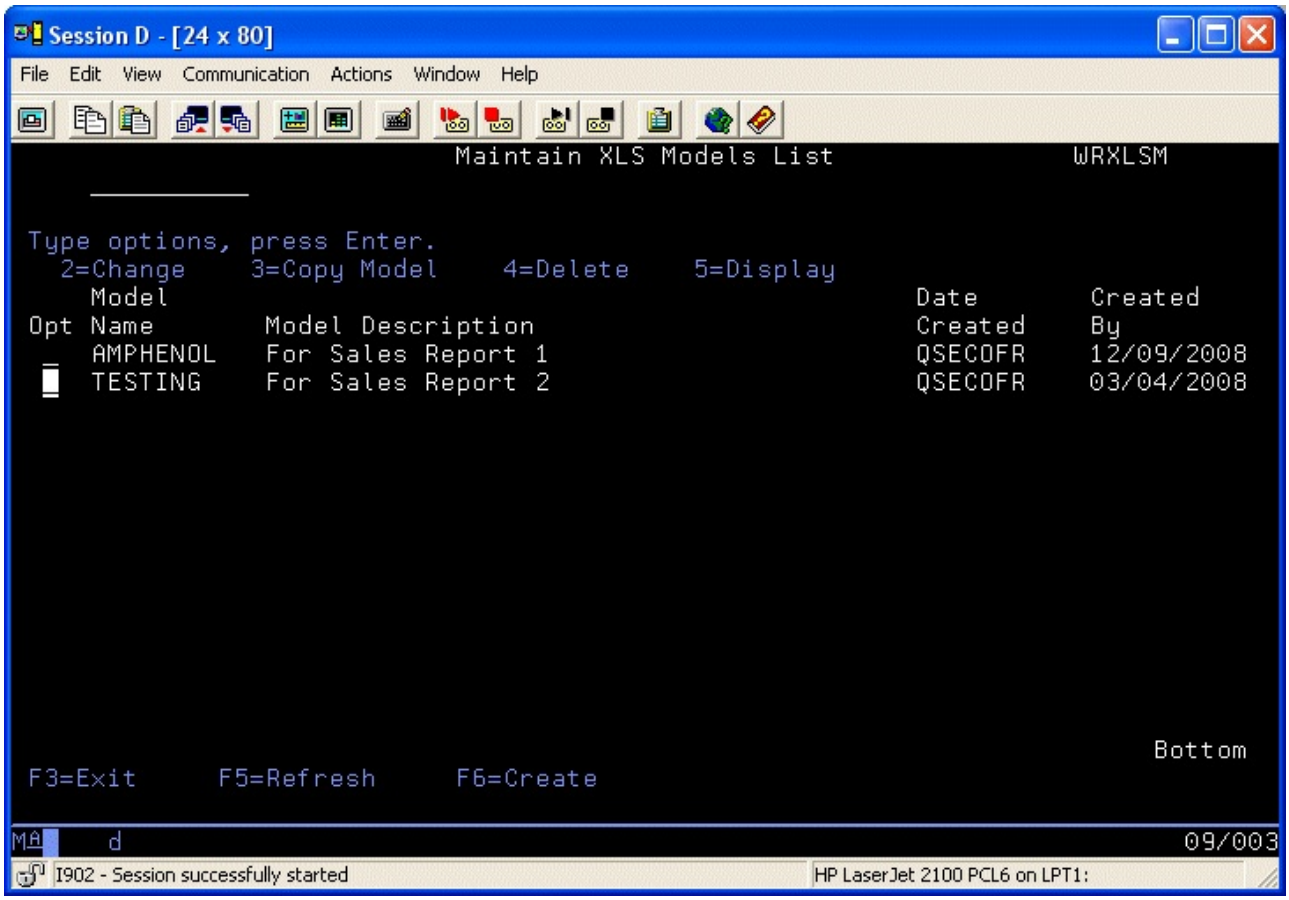
Note: When the .40i file is created, a target IBM i/OS level is associated with the file. If the system on which it is being restored has an earlier version of IBM i/OS, the restore process will fail.

Note: Customers who used an older version of WebReport/i may have been familiar with the *400 or *ISP formats that were implemented with older versions. WebReport/i replaces this support with the *ISV format. The OS APIs that the *400 format was built upon have been removed from the OS by IBM as of level V5R4M0. The new format, *ISV, is now compatible with all OS levels. Support for restoring *ISP files is still included in WebReport/i using the RSTISPL400 command.

Maintain XLS Report Models

When converting spool files into Excel format, we recommend that you try the conversion first using the *AUTO setting for the XLSCONV parameter. For some spool files, however, due to erratic content, WebReport/i may not be able to come up with an acceptable conversion using this method. When this happens, you will have to build a model of the report for WebReport/i to use when processing the conversion. This is done by selection option #8 on the MASTER menu. When you start the process, the following screen will be displayed showing the models that are already on file:

This list will come up empty the first time you use this feature. If you have already models on file,

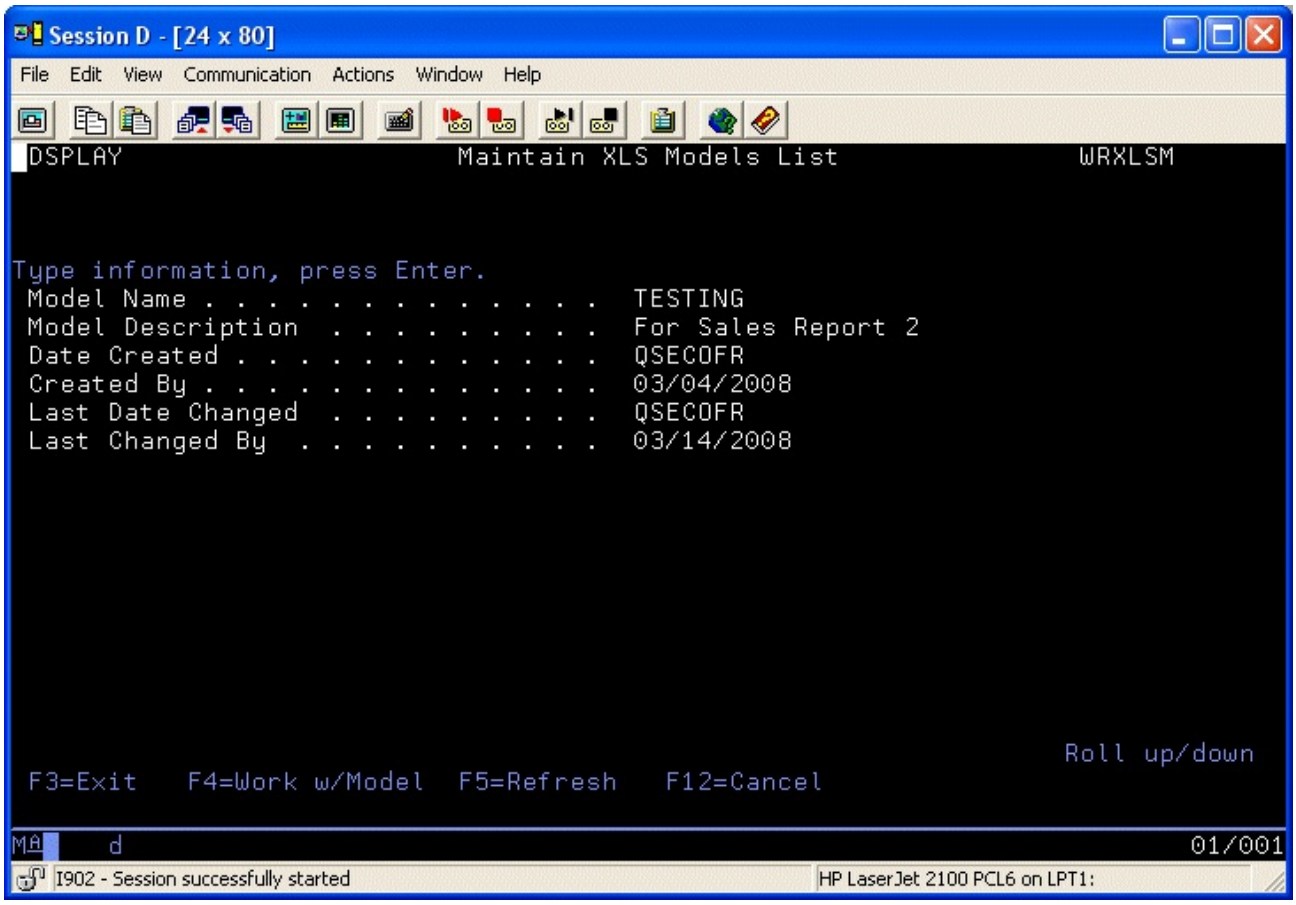

Session D - [24 x 80]
File Edit View Communication Actions Window Help
Maintain XLS Models List WRXLSM
Type options, press Enter.
2=Change 3=Copy Model 4=Delete 5=Display
Model Date Created
Opt Name Model Description Created By
AMPHENOL For Sales Report 1 QSECOFR 12/09/2008
TESTING For Sales Report 2 QSECOFR 03/04/2008
Bottom
F3=Exit F5=Refresh F6=Create
MA d 09/003
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

they will be listed. You can create a new model by pressing the F6 function key. To work with existing models, choose one of the options as follows:

Opt	Description
2	Lets you work with the model and make changes
3	Lets you make a copy of an existing model to start a new model
4	Lets you delete an existing model
5	Lets you review an existing model without making changes

When you either create a new model or work with an existing model, the following screen will be displayed next:

From this screen, you can only enter information in the first two fields as follows:

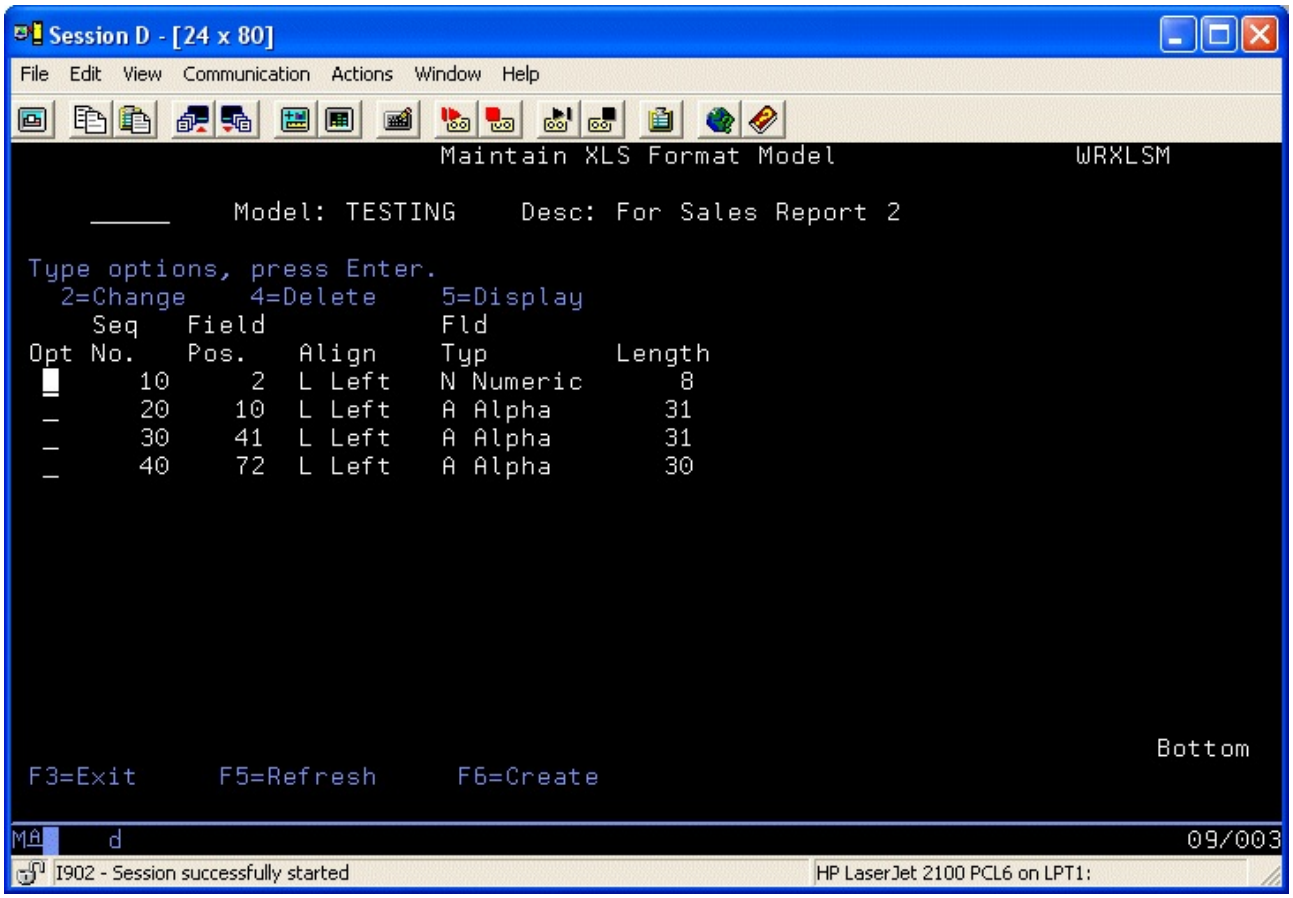

Session D - [24 x 80]
File Edit View Communication Actions Window Help
DSPLAY Maintain XLS Models List WRXLSM
Type information, press Enter.
Model Name . . . . . TESTING
Model Description . . . . . For Sales Report 2
Date Created . . . . . QSECOFR
Created By 03/04/2008
Last Date Changed . . . . . QSECOFR
Last Changed By 03/14/2008
Roll up/down
F3=Exit F4=Work w/Model F5=Refresh F12=Cancel
MA d 01/001
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

Model Name — Enter a unique name for the model being entered. Note that this field is only available when you are creating a new model.

Model Description — Enter a description of the model.

When these fields have been entered, press the ENTER key to record the information. Then, to continue to build the model, use the F4 function key to start building the report model.

When you work with the model details, the following screen will be displayed:


Session D - [24 x 80]
File Edit View Communication Actions Window Help
Maintain XLS Format Model WRXLSM
Model: TESTING Desc: For Sales Report 2
Type options, press Enter.
2=Change 4=Delete 5=Display
Opt Seq No. Field Pos. Align Fld Typ Length
10 2 L Left N Numeric 8
20 10 L Left A Alpha 31
30 41 L Left A Alpha 31
40 72 L Left A Alpha 30
Bottom
F3=Exit F5=Refresh F6=Create
MA d 09/003
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

This shows a list of the fields on your spool file print line. If this is a new model, the screen will be empty.

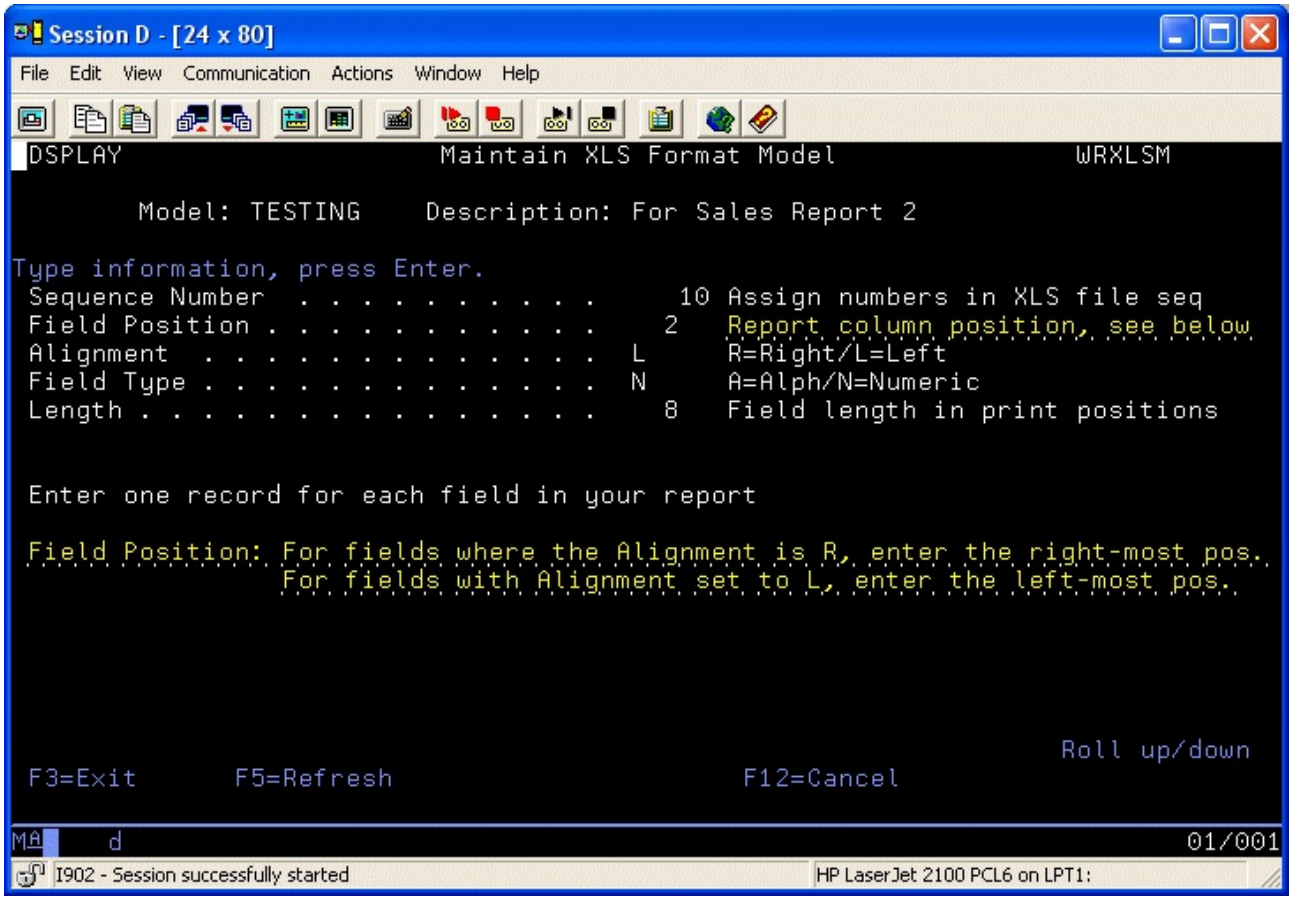
To work with fields on your spool file, you must identify the start and end print positions for each field that you want included in your Excel file. Use the operating system command WRKSPLF or WRKOUTQ to locate your spool file, then display it with a '5' next to it. The system will displayed your report with a print position ruler along the top of your display. Use this to map the fields that you want processed. Care must be taken to make sure that you do not overlap fields.

From this display, if there are fields already shown, you can use the following options:

Opt	Description
2	Lets you make changes to an existing field definition
4	Lets you delete an existing field definition
5	Lets you review an existing field definition without making changes

To create a new field definition, use the F6 function key.

When you work with an existing field definition or use the option to create a new field definition, the following detail screen will be displayed:


Session D - [24 x 80]
File Edit View Communication Actions Window Help
DSPLAY Maintain XLS Format Model WRXLSM
Model: TESTING Description: For Sales Report 2
Type information, press Enter.
Sequence Number . . . . . 10 Assign numbers in XLS file seq
Field Position . . . . . 2 Report column position, see below
Alignment . . . . . L R=Right/L=Left
Field Type . . . . . N A=Alph/N=Numeric
Length . . . . . 8 Field length in print positions
Enter one record for each field in your report
Field Position: For fields where the Alignment is R, enter the right-most pos.
For fields with Alignment set to L, enter the left-most pos.
Roll up/down
F3=Exit F5=Refresh F12=Cancel
MA d 01/001
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

Fill out the fields on this display as follows:

Sequence Number	A unique sequential number that will control the sequence in which the fields are processed. When creating a new model, we recommend that you use increments of 10 to start with.
Field Position	Up to 3 digits to designate the print position for the field. The position you choose depends on how the Alignment is defined: Alignment L: Use the left-most print position Alignment R: Use the right-most print position
Alignment	Enter R for Right alignment (typically for numeric fields) or L for Left alignment (typically for character fields).
Field Type	Enter A to describe an alphabetic field or N for a numeric field.
Length	Enter the number of print positions to be included.

Keep adding field specifications until all of the fields for your report have been described. If there are fields on your report that you do not want included, simply do not include a specification for them.

When you are finished with the model, you can then use either the EREPORT or WREPORT command to use the model. We find that a little trial and error is normally needed before you get the hang of how the model setup works. Once you have the model working the way you want, you can also specify it in an automatic routing entry.

Digital Signing for PDF Documents

WebReport/i includes a feature that will allow you to add a digital signature to a spool file that you have converted into Adobe Acrobat (*PDF) format.

To implement this feature, there are configuration requirements for your system, additional installation of components for both your systems's OS and for WebReport/i. You will also have to be able to obtain a digital signing certificate. These instructions will describe each of these requirements, including how to create your own signing certificate using the Digital Certificate Manager (DCM) that is built into IBM's i/OS.

IBM OS Requirements

To use digital signing, you must be running on IBM's OS level of V5R4 or higher.

The digital signing process relies on Java to complete the task. For this to work, you must check the OS on your IBM i and make sure that all components of Java have been installed.

To review this, go to the LICPGM menu in the OS (GO LICPGM from the command line) and run option #10. This will show you a list of the installed license programs on your system. Scroll up until you see the Java components displayed. On our test system here, these are all listed under the licensed program reference of 5722JV1. It may be different on other levels of the OS.

When the Java components are listed, press the F11 key until the second column on the display shows you the Product Option information. You must have *BASE support along with four additional options. On our system, this display looks like this:

5722JV1	*BASE	IBM Developer Kit for Java
5722JV1	5	Java Developer Kit 1.3
5722JV1	6	Java Developer Kit 1.4
5722JV1	7	Java Developer Kit 5.0
5722JV1	8	J2SE 5.0 32 bit

All of these components are required for digital signing of PDF documents to work correctly. If any of these are missing, you must arrange to have them installed from your original program distribution media received from IBM with your computer system.

Note: On some newer versions of IBM’s i/OS, the Java Developer Kit 1.3 is no longer available and will not be needed.

Once all components have been verified as installed, it is also strongly recommended that you obtain the latest IBM PTFs as they apply to the Java components. This can be done via download from IBM's Fix Central website. If you need a link to this website, contact support at Kisco Information Systems.

WebReport/i Configuration

To use the digital signing feature, additional components and configuation work will be required. Fortunately, we have simplified this process by providing the additional objects in a save file and creating an installation program to take care of this.

To make the required software configuration changes in WebReport/i, please sign on to a terminal session as a security officer and then run the following command:

CALL PGM(WEBREPORT/INSTJAVA)

This program will do the following on your system:

1. Several required java objects will be moved into the IFS in a new folder named "webrjava".

2. A required environment variable will be set that will point the java signing routines to this new folder.

Create Your Signing Certificate

To add a digital signature to your PDF document, you first need to get a suitable digital certificate. These are available commercially from a number of different authorities including Verisign, Thawte and Comodo. Any certificate that you obtain by these methods must be in PKCS#12 format. Keep that in mind if you decide to purchase a certificate from one of these trusted sources. If the certificate is not in PKCS#12 format, you can probably convert it on your system using Internet Explorer; see the instructions for this farther along in this discussion.

If you do not want to purchase a digital certificate, you can use the Digital Certificate Manager on your System i to create your own certificate. The process to do this and take it to where you have a certificate that you can use for signing includes:

Step 1: Start the Digital Certificate Manager (DCM) on your system

Step 2: Create the certificate

Step 3: Export the certificate to the IFS

Step 4: Import the certificate into Internet Explorer (IE)

Step 5: Export the certificate from IE in PCCS#12 format

Step 6: Store the certificate in the IFS

The following documentation will walk you through these six steps if you are unfamiliar with them.

Step 1: Start the Digital Certificate Manager (DCM) on your system

The DCM runs on your system in the HTTP server function and you access the function from your PC using a browser. To start DCM, issue the following command from the command line:

STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)

If the administrative instance of the HTTP server is already active on your system, there is no need to start it again at this point.

After starting the server, give it about 1 full minute to settle down as the startup process can take a fair amount of time on some systems. To access the DCM, type the following URL on your browser:

http://myserver.com:2001

If your server does not have a registered name, you can use the following URL format which will access the system using the numerical IP address for your server:

http://10.1.4.10:2001

where 10.1.4.10 is the IP address of your System i.

During the DCM startup from your browser, you will be prompted for a user profile and password. Use a security officer profile for this process.

The DCM startup tasks menu will be displayed following your logon process. Select the "Digital Certificate Manager" link to access DCM.

Step 2: Create the certificate

From the main DCM panel, on the left side, click on the "Select a Certificate Store" button. Several options will be offered, select the option for "*OBJECTSIGNING" and provide a password. If none already exists, you will be able to create one at this point. Keep track of this for future reference.

Now use the following sequence to create your signing certificate:

- select "Create Certificate" from the lefthand panel
- Select "Object signing certificate" and press Continue
- Select "Local Certificate Authority (CA)" and press Continue
- Select a key size of 2048
- Fill in the Required fields. For Certificate name, use a name that will point to the specific use for this certificate. For Common name, we recommend that you use the system name for your system from DSPNETA. All required fields must be coded.
- Press Continue - your certificate has now been created

Step 3: Export the certificate to the IFS

The export process is also done using DCM. This process will export the certificate you have just created to the IFS on your System i. Assuming that you do this immediately after step #2, follow these steps to export your certificate:

- On the left panel, select the "Manage Certificates" link which will open a list of subtasks.
- Select "Export certificate"
- Select "Object signing" and press Continue
- Select the certificate you have just created and press Export.
- Select "File, as an object signing certificate" and press Continue
- Enter an IFS path name for your certificate and assign a password for the certificate. Make a note of the password. If you are unfamiliar with IFS path naming, you can use the "webwork" IFS folder that was created when you installed WebReport/i. As an example, if you want to name your exported certificate "testcert" and place it in the "webwork" IFS folder, then the "Export to file name" would be "/webwork/testcert".
- Press Continue and your certificate will be exported.

Step 4: Import the certificate into Internet Explorer (IE)

Before moving on to the next step, you must move the certificate that you have just exported from the IFS to a place where you can access from your PC desktop. If you have a mapped drive on your System i, that will work, otherwise you must transfer the exported certificate onto your PC first.

On your PC desktop, start up Microsoft's Internet Explorer browser. From the tool bar, select "Tools" then following these steps to complete importation of your certificate.

- Select "Internet Options"
- Select the "Content" tab
- Select the "Certificates" button
- Select the "Import" button, this will start the import wizard
- Select "Next" to start the process
- Use the browse button to display the certificate that you want to import and select it.
- Select "Next"
- Enter the password you associated with the certificate when it was created. Select the box to mark this key as exportable.
- Select "Next".
- Select to place the certificate in your personal store and press "Next"
- Select "Finish" to complete importing your certificate into IE.

Step 5: Export the certificate from IE in PCCS#12 format

From your IE browser, select "Tools" from the top tool bar and follow these steps to export the certificate in PKCS#12 format:

- Select "Internet Options"
- Select the "Content" tab
- Select the "Certificates" button
- Highlight the certificate you have just imported and then select the "Export" button.
- This will start the export wizard function - select "Next"
- Select "Yes, export the private key" and press "Next"
- Select "Personal Information Exchange - PKCS#12 format.
- Check the box for "Include all certificates in the certification path if possible"
- If any other boxes are checked, remove the check marks
- Select "Next"
- Enter the certificate password in both password boxes and select "Next"
- Enter the filename and location where you want the exported certificate placed. Note that when exported, IE will append the suffix ".pfx" to your filename.
- Select "Next"
- Select "Finish" to export the certificate in PKCS#12 format.

Step 6: Store the certificate in the IFS

To use the digital certificate, you must now store it in the IFS on your System i. If you want, you can store it in the "webwork" folder which is also used by other functions within WebReport/i. Once this is done, then your certificate is now ready to be used for signing PDF documents created by WebReport/i.

Applying The Digital Signature

In WebReport/i, you can create PDF documents from the EREPORT command, the WREPORT command or from automatic routing for both email and local storage functions. For each method, new digital signature options have now been added that will let you use this new capability in WebReport/i.

On the EREPORT and WREPORT commands, you must first specify *YES for using PDF Digital Signatures before the additional parameters will be prompted for.
The following new parameters must be provided, they are all parts of the SIGNATURE parameter:

Add digital signature
: If you do not want to use a digital signature, leave this parameter set to *NO and leave the rest of the fields set to their default values. If you do want to apply a digital signature, change this value to *YES.

Certificate file path
: Enter the file name of your digital signature file as it resides in the IFS. For example, if your certificate is named testcert.pkcs.pfx and resides in the "webwork" folder in the IFS, then the following certificate file path should be used:

    /webwork/testcert.pkcs.pfx

Certificate password

: Enter the password that you assigned to the certificate. Keep in mind that this is a mixed case field and the password is case sensitive.

Reason for signing
: This is an optional field. If you do not want to specify a value, leave the *NONE default value. To add a reason, enter a text description of your reason, up to 80 characters.

Signing location
: This is an optional field. If you do not want to specify a value, leave the *NONE default value. To add a location, enter a text description, up to 80 characters.

Signing contact information
: This is an optional field. If you do not want to specify a value, leave the *NONE default value. To add contact information, enter a text description, up to 80 characters.

Visible signature?
: If you want the digital signature to show when your PDF document is displayed, leave the default value of *VISIBLE here. To hide the digital signature, change this value to *INVISIBLE.

Show on page
: Enter the value to place the signature on either the *FIRST page or the *LAST page of your PDF.

Display image file
: If you want to use a custom image for the displayed signature, enter the name of the graphic file that you want to use. This can be a TIF, JPG or GIF file. To use the default graphic representation, leave this field set to *NONE.

X signature position
: This value controls the horizontal placement of the digital signature. You can place it on the *RIGHT side, the *LEFT side or in the *CENTER of the page.

Y signature position
: This value controls the vertical placement of the digital signature. You can place it at the *BOTTOM or at the *TOP of the page.

After filling in the parameters that you want to use, press ENTER and the PDF will be created with a digital signature. At a minimum, the first three parameters are required.

Automatic Operation

You can set up WebReport/i to automatically process output spool files (reports) using either method already described. You can automatically send a report as an E-mail attachment or you can automatically convert a report into an Internet document.

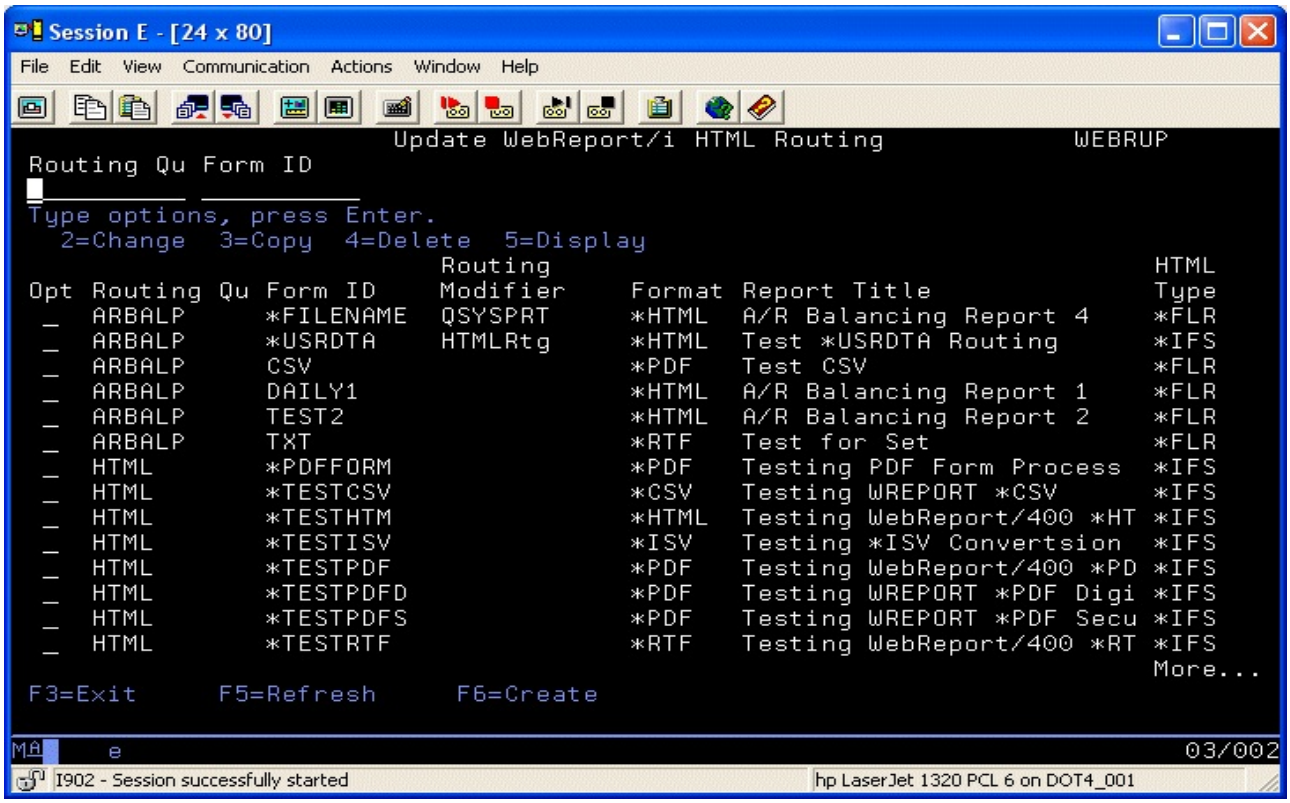
To use the automatic feature, you must do two things. First, you must set up a valid routing instruction in the Automatic Routing Table for either an HTML document routing or an E-mail routing. Once this is done, you must then start the Automatic Report Routing task.

Automatic Routing Table Updates

There are two menu options for maintaining the WebReport/i Automatic Routing Table. One is for HTML routings and the other is for E-mail routings.

Update HTML Routing Table

Choose menu option #17 to update the WebReport/i HTML Automatic Routing Table. This option is also used for Intranet documents. The following screen will be displayed:
From this screen, you can add new routing instructions, review and update existing routing instructions and delete routing instructions that you do not want to use any longer. The following control keys can be used from this display:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Update WebReport/i HTML Routing WEBRUP
Routing Qu Form ID
Type options, press Enter.
2=Change 3=Copy 4=Delete 5=Display
Opt Routing Qu Form ID Routing Modifier Format Report Title HTML Type
_ ARBALP *FILENAME QSYSPRT *HTML A/R Balancing Report 4 *FLR
_ ARBALP *USRDTA HTMLRtg *HTML Test *USRDTA Routing *IFS
_ ARBALP CSV *PDF Test CSV *FLR
_ ARBALP DAILY1 *HTML A/R Balancing Report 1 *FLR
_ ARBALP TEST2 *HTML A/R Balancing Report 2 *FLR
_ ARBALP TXT *RTF Test for Set *FLR
_ HTML *PDFFORM *PDF Testing PDF Form Process *IFS
_ HTML *TESTCSV *CSV Testing WREPORT *CSV *IFS
_ HTML *TESTHTM *HTML Testing WebReport/400 *HT *IFS
_ HTML *TESTISV *ISV Testing *ISV Convertsion *IFS
_ HTML *TESTPDF *PDF Testing WebReport/400 *PD *IFS
_ HTML *TESTPDFD *PDF Testing WREPORT *PDF Digi *IFS
_ HTML *TESTPDFS *PDF Testing WREPORT *PDF Secu *IFS
_ HTML *TESTRTF *RTF Testing WebReport/400 *RT *IFS
More...
F3=Exit F5=Refresh F6=Create
03/002
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

F3 End the update session.

F5 Refresh the information displayed on the screen.

F6 Open a blank window to add a new HTML routing instruction.

After routing entries have been established, you can use the options listed at the top of the screen to work with the entries. The options are as follows:

2 Change - Lets you make changes to the selected entry.

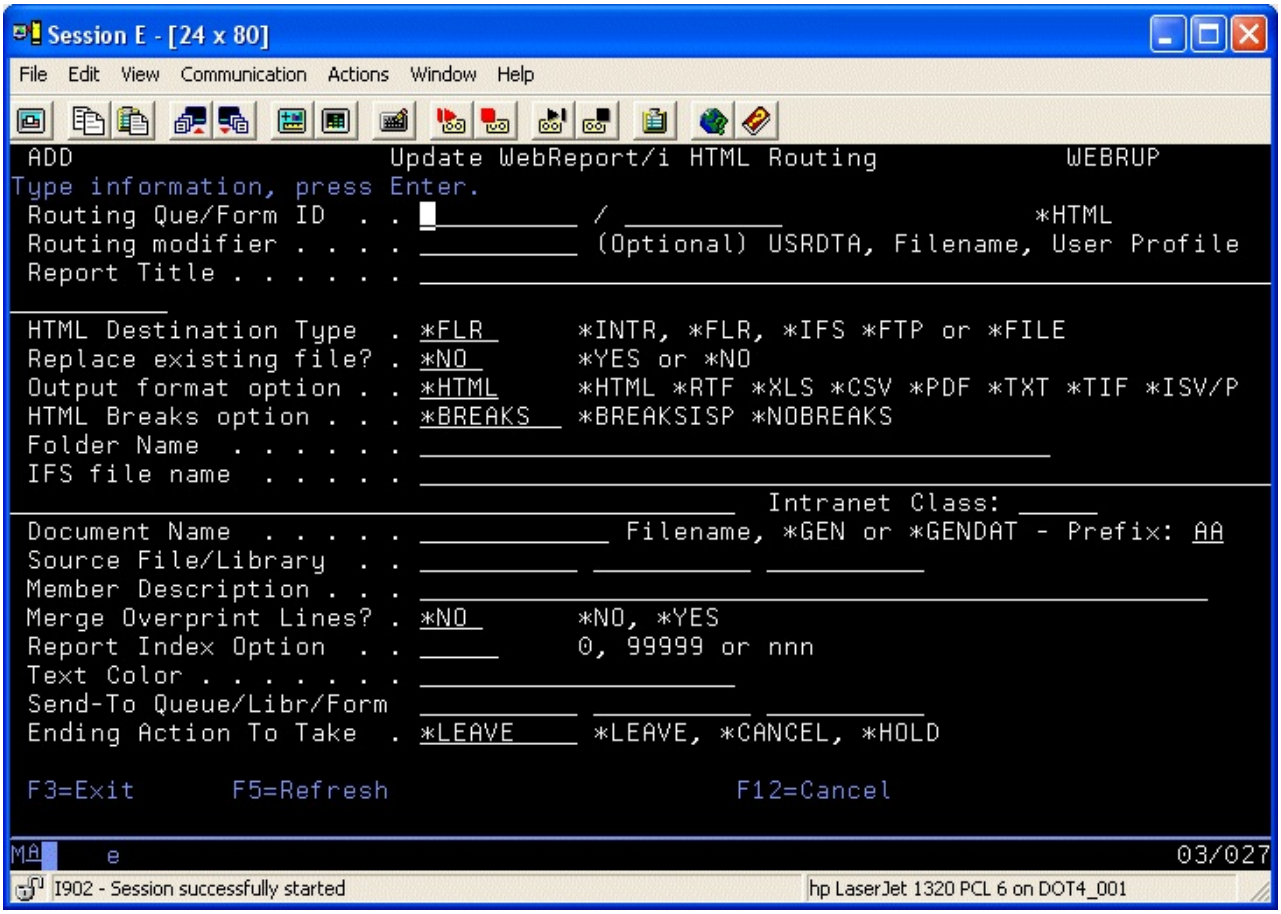
4 Delete - Lets you delete a selected entry.

5 Review - Displays the full routing instruction for your review.

To use any of these options, key the option on the line you want to work with and press ENTER. Each option is discussed separately below along with the “Add” functions.

Adding a new HTML Routing Instruction

When you press the F6 function, a blank screen will be opened to let you create a new HTML routing instruction. This screen, the first of two needed, will appear as follows:
Fill in the fields as follows:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
ADD Update WebReport/i HTML Routing WEBRUP
Type information, press Enter.
Routing Que/Form ID . . _____ / _____ *HTML
Routing modifier . . . . _____ (Optional) USRDTA, Filename, User Profile
Report Title . . . . . _____
HTML Destination Type . *FLR *INTR, *FLR, *IFS *FTP or *FILE
Replace existing file? . *NO *YES or *NO
Output format option . . *HTML *HTML *RTF *XLS *CSV *PDF *TXT *TIF *ISV/P
HTML Breaks option . . . *BREAKS *BREAKSISP *NOBREAKS
Folder Name . . . . . _____
IFS file name . . . . . _____
Intranet Class: _____
Document Name . . . . . _____ Filename, *GEN or *GENDAT - Prefix: AA
Source File/Library . . _____ _____ _____
Member Description . . . _____
Merge Overprint Lines? . *NO *NO, *YES
Report Index Option . . _____ 0, 99999 or nnn
Text Color . . . . . _____
Send-To Queue/Libr/Form _____ _____ _____
Ending Action To Take . *LEAVE *LEAVE, *CANCEL, *HOLD
F3=Exit F5=Refresh F12=Cancel
MA e 03/027
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

Routing Que Name — Enter the name of the output queue to use. If this queue does not exist, WebReport/i will prompt you to create it. It will also create a virtual print device so that output can be routed to either the output queue or the virtual device.

Routing Form ID — You should create an entry with a blank form first. This will identify the default routing for this output queue. If you want special routing for a set of spool files, you can also specify one of the following:

Form ID — Enter a specific Form ID. This corresponds to the FORMTYPE parameter on the spool file. WebReport/i will check for a specific form ID before applying the default routing.

***FILENAME** — Enter this special value if you want to route the report based on the spool file name. When you specify this value, you must also complete the following parameter. WebReport/i will check for the *FILENAME routing

before applying the default routing.

***USRDTA** Enter this special value if you want to route the report based on the contents of the user data field in spool file. When you specify this value, you must also complete the following parameter. WebReport/i will check for the *USRDTA routing before applying the default routing.

***USER** Enter the user profile of the spool file that should apply for this routing.

Filename/USRDTA User Profile — If you have specified *FILENAME, *USRDTA or User Profile for the Form ID above, then you must enter the spool file name or user data field contents in this field. This will allow you to route a report based on the spool filename, user data field contents or user profile.

Report Title — Enter a short description of the report. This will be inserted into the document TITLE field.

HTML Destination Type — Choose one of the following values:

***FLR** The output will be placed in a PC file in a shared folder.

***FILE** The output will be placed as a member in a source physical file.

***IFS** The output will be placed in a PC file in the Integrated File System.

***INTR** The output will be placed in the IFS for deployment by the WebReport/i Intranet server.

***FTP** The output will be sent via FTP to the destination server that you set up for this routing rule

Replace existing file? Choose one of the following values:

***YES** If there is already a file by the same name, replace it with the file being converted now.

***NO** If there is already a file by the same name, do not replace it. An error message will be issued and the conversion will be stopped.

Output format option Choose one of the following options:

***HTML** The default. The report will be converted into an HTML document for web deployment.

***RTF** The report will be converted into Rich Text Format. This format is better suited to applications where you want people retrieving the information to be able to print it. RTF is a format that is compatible with more PC-base word processing software.

***PDF** The spool file will be converted into a Adobe Acrobat Format file (PDF). The PDF format can be viewed on PC's using the Adobe Acrobat Reader which is available for free from Adobe. This reader can be used

to view and print reports on PC's and Macintosh computers.

***CSV** The spool file will be converted into a Comma Separated Values file (CSV). This format is easily used to transfer the report contents into an electronic spreadsheet.

***ISP** The spool file will be converted into special format so that it can be restored to any iSeries system and put back into an output queue.

***TXT** The spool file will be converted into a DOS text file.

***XLS** The spool file will be converted into Excel format

***TIF** The spool file will be converted into TIF graphic format

***ISV** The spool file will be converted into a new special format so that it can be restored to any iSeries system and put back into an output queue (preferred over *ISP).

***ISP** The spool file will be converted into special format so that it can be restored to any iSeries system and put back into an output queue.

Note: The *PDF, *CSV, *XLS, *ISC and *ISP options are only available when have WebReport/i PDF installed.

HTML Breaks option — Controls how page breaks are treated when a report is converted into HTML format. Choose one of the following values:

***BREAKS** a line of hyphens will be inserted in the output HTML document to show where the page breaks occur.

***NOBREAKS** no line of hyphens will be inserted.

Folder Name — Only valid for *FLR or *INTR routings. When used with the *FLR option, enter the name of the shared folder where you want this document stored. When used with the *INTR option, this is the name of the folder within the Intranet feature path where the document should be stored. If it does not exist, it will be created.

IFS file name — Only valid for *IFS or *INTR routings. When used with the *IFS option, enter the fully qualified name of the file you want to use in the Integrated File System. When used with the *INTR option, enter the name of the file without any other path information (See the preceding Folder Name).

Document Name — Only valid for *FLR routings. Enter the name of the PC file to be placed in the shared folder. DOS PC file naming rules apply (eight characters with a three character suffix, as in "testfile.txt").

Source File/Library — Only valid for *FILE routings. Three fields are specified for this parameter. The first is the file name, the second is the library name and the last is the member name.

Member Description — Only valid for *FILE routings. Enter a description that you would

like to use for the file member being created.

Merge Overprint Lines? — This option controls how overprint lines in the spool file are handled by WebReport/i for *TXT and *RTF processing. Choose one of the following values:

***NO** Default value. When overprint lines are found in the spool file, only the first line will be processed. All other overprint lines will be ignored.

***YES** When overprint lines are found, the contents of each line will be merged together into a single line.

Report Index Option — This is only valid for *PDF format conversions. Choose the report index option you want to use as follows:

0 - No report index will be generated
99999 - A single index to the last page of the report will be generated
nnn - An index entry will be generated for every **nnn**th page along with an entry for the last page of the report.

Text Color — Enter the name of the color that you would like to have used when the text for the report is displayed on a browser. The default value is BLACK. Any valid color name can be used. Sixteen standard color names include supported include AQUA, BLACK, BLUE, FUCHSIA, GRAY, GREEN, LIME, MAROON, NAVY, OLIVE, PURPLE, RED, SILVER, TEAL, WHITE and YELLOW.

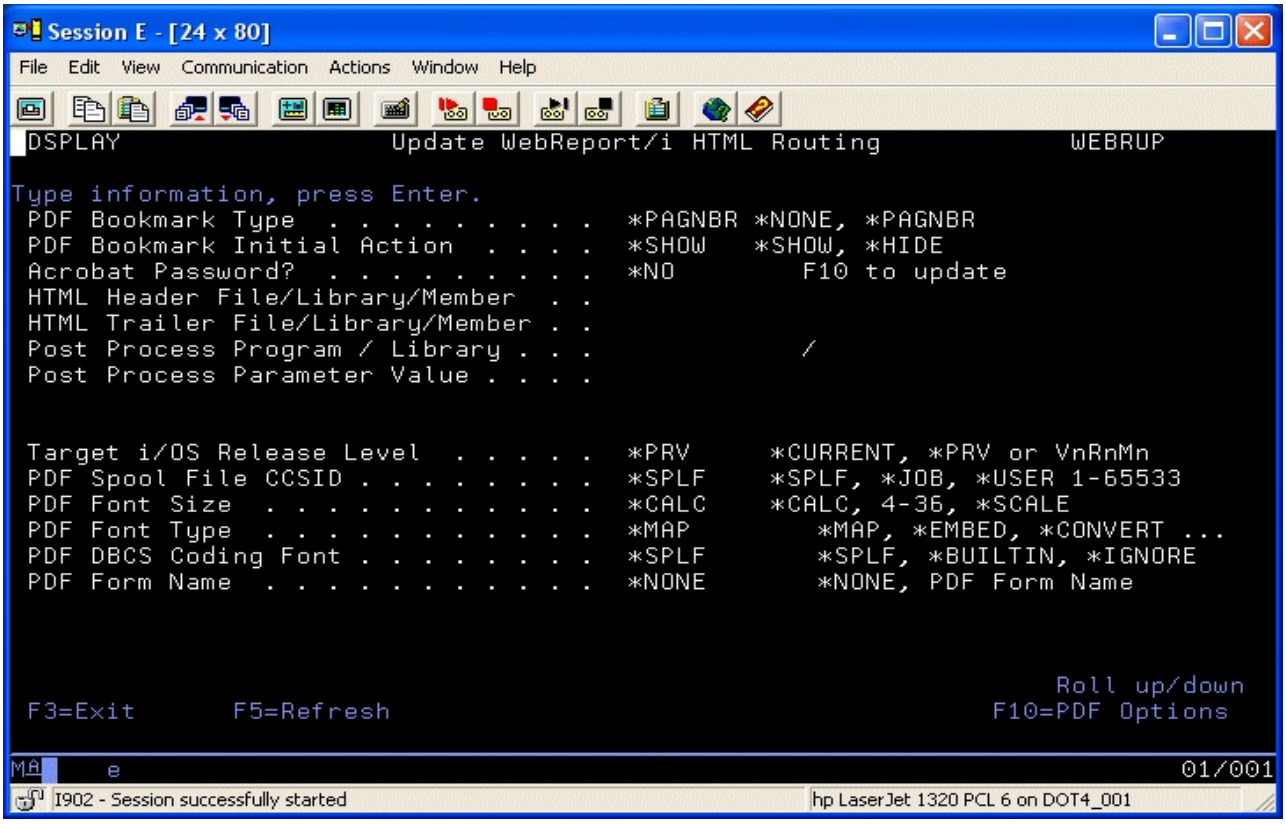
Send-to Queue Name /Library/Form — When you use the *LEAVE Ending Option, you can also specify an alternate output queue where you want to leave the spool file. Enter the name of that queue and library here. If you leave it blank, the spool file will be left in the original output queue.

Ending Action To Take — Optional. Enter one of the following values:

***LEAVE** The spool file entry will be left in the print spool.
***CANCEL** The spool file entry will be deleted from the print spool.
***HOLD** The spool file entry will be kept in the print spool but it will be put into hold status.

When all fields have been completed, press ENTER. WebReport/i will edit the information and return any error condition for your correction.

When the information is accepted, the second update screen will be shown as follows:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
DSPLAY Update WebReport/i HTML Routing WEBRUP
Type information, press Enter.
PDF Bookmark Type . . . . . *PAGNBR *NONE, *PAGNBR
PDF Bookmark Initial Action . . . . *SHOW *SHOW, *HIDE
Acrobat Password? . . . . . *NO F10 to update
HTML Header File/Library/Member . .
HTML Trailer File/Library/Member . .
Post Process Program / Library . . . /
Post Process Parameter Value . . . .
Target i/OS Release Level . . . . . *PRV *CURRENT, *PRV or VnRnMn
PDF Spool File CCSID . . . . . *SPLF *SPLF, *JOB, *USER 1-65533
PDF Font Size . . . . . *CALC *CALC, 4-36, *SCALE
PDF Font Type . . . . . *MAP *MAP, *EMBED, *CONVERT ...
PDF DBCS Coding Font . . . . . *SPLF *SPLF, *BUILTIN, *IGNORE
PDF Form Name . . . . . *NONE *NONE, PDF Form Name
Roll up/down
F3=Exit F5=Refresh F10=PDF Options
MA e 01/001
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

The fields on this screen are all optional. If you do not want to enter any additional information, just press ENTER and your routing entry will be updated. If you want to specify any of these fields, use the following information when completing the fields:

PDF Bookmark Type Enter one of the following values:

***NONE**	No PDF bookmarks will be added to the report
***PAGNBR**	Page number bookmarks will be added to the report

PDF Bookmark Initial Action — Enter one of the following values:

***SHOW**	The bookmarks will be displayed when the PDF file is opened
***HIDE**	The bookmarks will not be displayed when the PDF file is opened.

Acrobat Password? — If you have specified a *PDF conversion, enter one of the following values. Specifics for this option are described further in this documentation.

Header HTML — Enter the name of a source file, library and member name where you have HTML statements built on your system. WebReport/i will insert these HTML statements at the beginning of your report. This will enable you to create a customized heading that can include links and

graphics.

Trailer HTML — Enter the name of a source file, library and member name where you have HTML statements built on your system. WebReport/i will insert these HTML statements at the end of your report. This will enable you to create a customized trailer that can include links and graphics.

Post Process Program/Lib — Enter the post process program and library reference that you want to use for this conversion. See the documentation on the WREPORT command for a complete discussion of this option.

Post Process Parameter — (Optional) This parameter provides for user parameter values to be passed to the post processing program. These values are passed as the third parameter to the called program.

*ISP Target IBM i/OS Release — If you are setting up an automatic conversion to IBM i/OS spool file format, specify the target OS level here. You can specify *CURRENT for the same OS level as installed on your system, *PRV for the immediately prior OS level or you can enter a specific OS level in the form of VnRnMn. You must use a level that is supported by the OS level you have installed.

PDF Spool File CCSID — Enter the CCSID value you want to use for your spool file conversion to PDF.

PDF Font Size — For *PDF conversions, this parameter gives you control over the size of the font used. Choose from the following:

- *CALC — Use this default value to let WebReport/i calculate a font size based on the attributes of your print file.
- *SCALE — If you find that *CALC does not produce a satisfactory result, try this *SCALE value. A different method will be used to set the font size based on different spool file attributes from your report.
- 4-36 — If you want to use a specific font size, code the numeric value within the range of 4 to 36.

PDF Font Type — Controls the way the text from your spool file is rendered in your PDF document. Choose one of the following values:

- *MAP — WebReport/i will attempt to map the font in your spool file as closely as possible using PDF fonts available. This is the default value and will normally produce the desired result.
- *EMBED — WebReport/i will embed the selected font directly into the PDF file. When *MAP results are unsatisfactory, this option should be tried as it may give better results.
- *CONVERT — This performs the same conversion as *MAP.
- font — Choose one of the following specific font values to be

used throughout the conversion:

*COURIER, *COURIERB, *COURIERO, *COURIERBO, *HELVETICA, *HELVB, *HELVO, *HELVBO, *TIMES, *TIMESB, *TIMESI, *TIMESBI, *SYMBOL, *DINGBATS

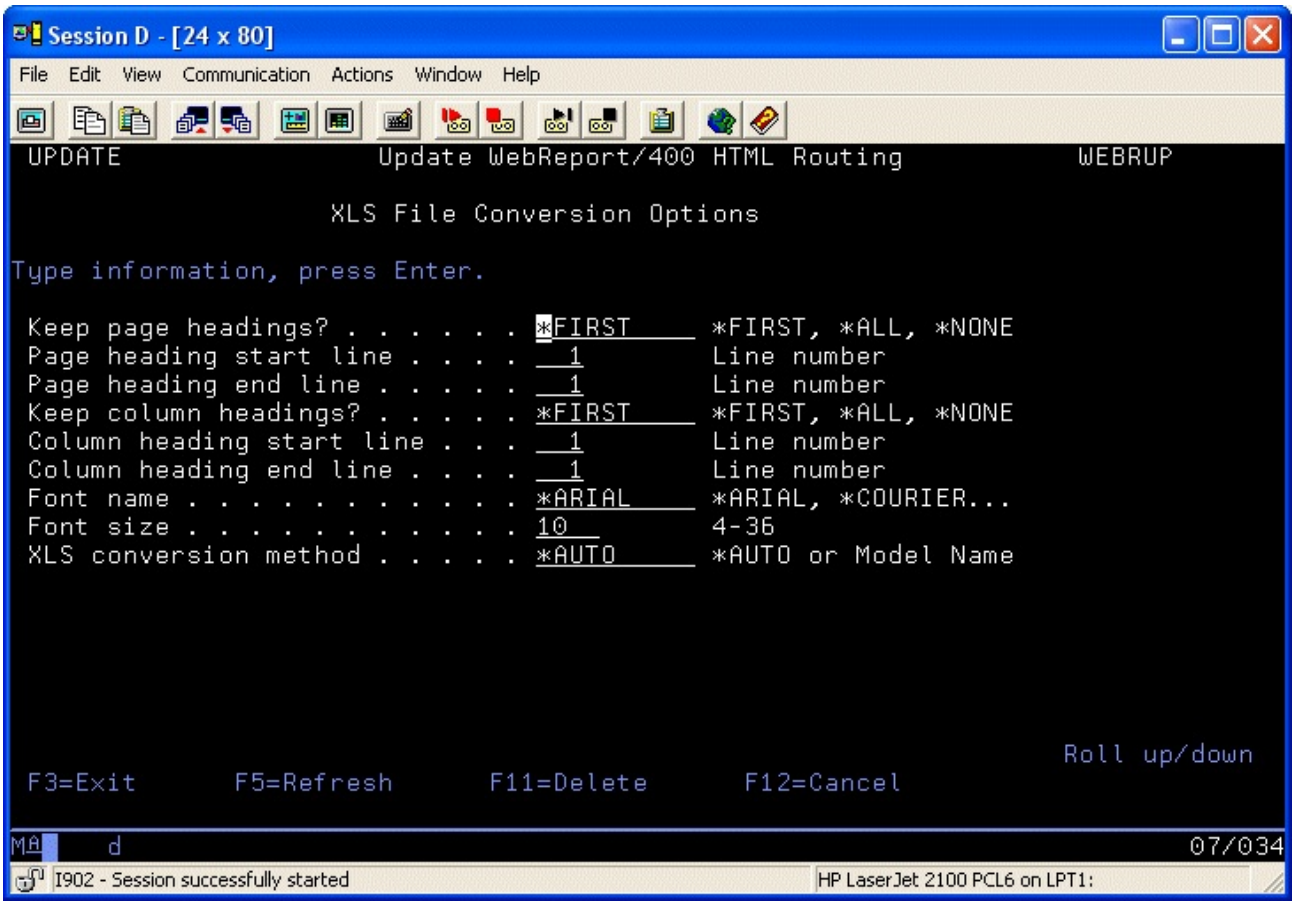
PDF DBCS Coding — This parameter gives you control over the font that is selected when a DBCS coded font is to be used.

Choose one of the following options:

- *SPLF — This is the default value. WebReport/i determines the DBCS font name from the spool file attributes.
- *BUILTIN — WebReport/i will use its built in conversion font.
- *IGNORE — WebReport/i will ignore data that appears to be DBCS and will treat it as SBCS data.
- *NOERROR — If the DBCS font cannot be identified, WebReport/i continues processing as if *IGNORE had been specified and no error is issued.

PDF Form Name — If no PDF form is defined, set this value to the default value of *NONE. If you are using a PDF form, enter the name of the form definition. PDF Forms are fully documented in a separate user's guide.

When you are converting your spool file into an Excel file (*XLS format), then the following additional screen will be displayed:


Session D - [24 x 80]
File Edit View Communication Actions Window Help
UPDATE Update WebReport/400 HTML Routing WEBRUP
XLS File Conversion Options
Type information, press Enter.
Keep page headings? . . . . . *FIRST *FIRST, *ALL, *NONE
Page heading start line . . . . 1 Line number
Page heading end line . . . . . 1 Line number
Keep column headings? . . . . . *FIRST *FIRST, *ALL, *NONE
Column heading start line . . . 1 Line number
Column heading end line . . . . 1 Line number
Font name . . . . . *ARIAL *ARIAL, *COURIER...
Font size 10 4-36
XLS conversion method . . . . . *AUTO *AUTO or Model Name
Roll up/down
F3=Exit F5=Refresh F11=Delete F12=Cancel
MA d 07/034
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

Complete the fields as follows:

Keep page headings?	Use one of these options: ***FIRST** - only keep the headings from the first page ***ALL** - keep all page headings ***NONE** - ignore all page headings
Page heading start line	This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored. Enter the starting line number for the page headings on your report.
Page heading ending line	This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored. Enter the ending line number for the page headings on your report.
Keep column headings?	Use one of these options:

***FIRST** - only keep the column headings from the first page
***ALL** - keep all column headings
***NONE** - ignore all column headings

Column heading start line

This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored.

Enter the starting line number for the column headings on your report.

Column heading ending line

This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored.

Enter the ending line number for the column headings on your report.

Font face

Select the font that you want to use for the conversion. The following are currently supported:

*ARIAL, *COURIER, *COURIERB, *COURIERO, *COURIERBO, *HELVETICA, *HELVB, *HELVO, *HELVBO, *TIMES, *TIMESB, *TIMESI, *TIMESBI, *SYMBOL, *DINGBATS

Font size

Choose the size that you want to enforce for the selected font.

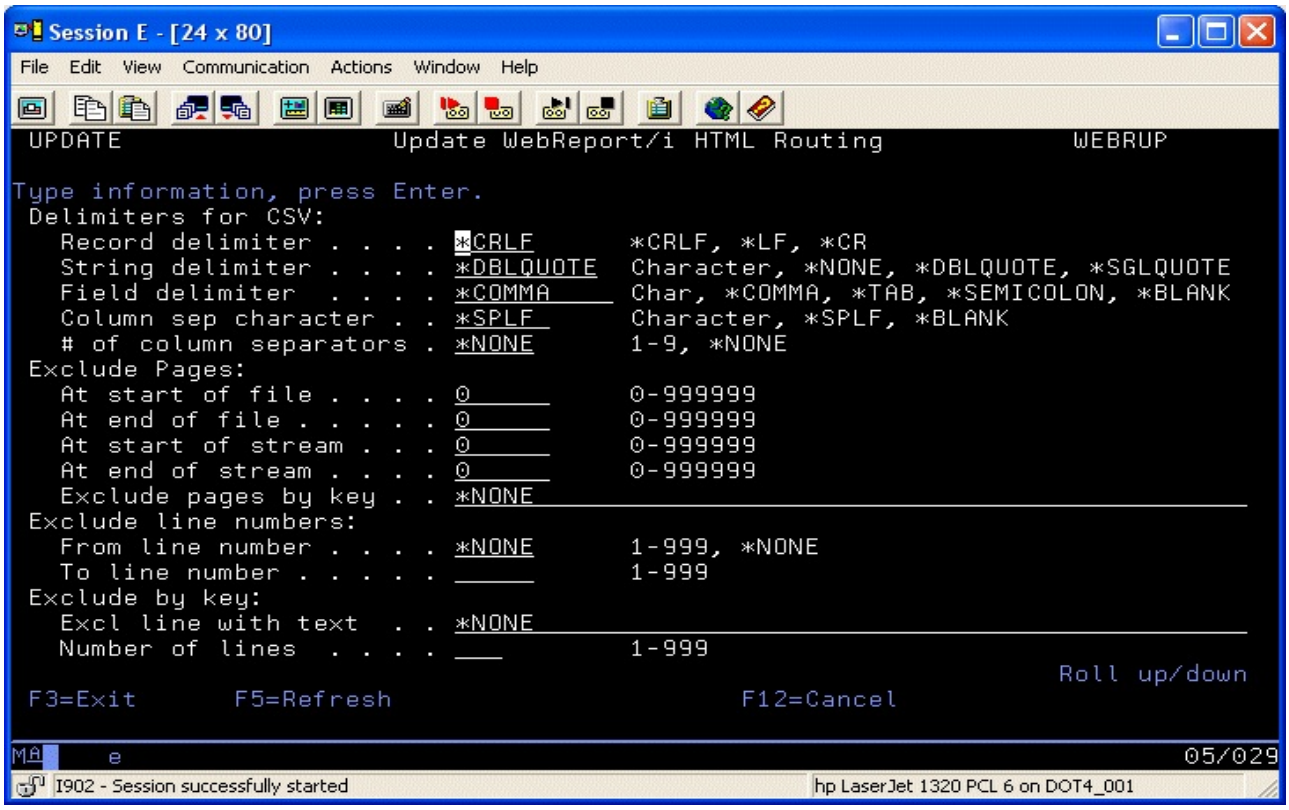
XLS conversion method

For conversion to XLS format, this parameter lets you select the way WebReport/i does the conversion. Choose one of the following options:

***AUTO -** Use WebReport/i's automatic column interpretation. This option is preferred for the first time that you attempt an *XLS conversion on a report.

Model Name - Enter the name of an XLS Report Model that you have built using the option from the MASTER menu for this purpose.

When you specify that you want the spool file converted into *CSV format, the following additional parameter screen will be displayed:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
UPDATE Update WebReport/i HTML Routing WEBRUP
Type information, press Enter.
Delimiters for CSV:
Record delimiter . . . . *CRLF *CRLF, *LF, *CR
String delimiter . . . . *DBLQUOTE Character, *NONE, *DBLQUOTE, *SGLQUOTE
Field delimiter . . . . *COMMA Char, *COMMA, *TAB, *SEMICOLON, *BLANK
Column sep character . . *SPLF Character, *SPLF, *BLANK
# of column separators . *NONE 1-9, *NONE
Exclude Pages:
At start of file 0 0-999999
At end of file 0 0-999999
At start of stream . . . 0 0-999999
At end of stream 0 0-999999
Exclude pages by key . . *NONE
Exclude line numbers:
From line number . . . . *NONE 1-999, *NONE
To line number 1-999
Exclude by key:
Excl line with text . . *NONE
Number of lines 1-999
Roll up/down
F3=Exit F5=Refresh F12=Cancel
MA e 05/029
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

These parameters can be filled in as follows:

Delimiters: (There are 5 elements to the parameter as follows)

Record delimiter	This parameter defines the characters to be used to indicate the end of a record in the CSV file.
***CRLF**	Carriage return and line feed. Both a carriage return (x'0D') and a line feed.
***CR**	Just a carriage return (x'0D') is used.
***LF**	Just a line feed (x'0A') is used.
String delimiter	The character to be used to enclosed character string data.
***DBLQUOTE**	A double quote (") is used.
***SGLQUOTE**	A single quote (') is used.
***NONE**	No delimiter is used. Alphanumeric data is not enclosed by any special character.
Delimiter-char	The delimiter character to use.
Field delimiter	The character to be used to separate fields in the CSV file.

***COMMA** A comma (,) is used.

***TAB** A tab (x'09') is used.

***BLANK** A blank (x'20') is used.

***SEMICOLON** A semicolon (;) is used.

Delimiter-char The delimiter character to use.

Column separator — The values you select on this parameter control how the spooled file is converted to a delimited ASCII text file (e.g. a comma separated variable file).

The default for the first element is *SPLF. This tells CVTSPLSTMF to break the spooled file data into columns based on the way in which the data is split up in the spooled file.

Where the spooled file is created from an externally described printer file this will probably give the best results, since the data in the spooled file is likely to be organized so that each natural or logical item of data appears as a separately identifiable element.

However, if the spooled file is created from an internally described printer file, or from an application such as IBM's Query/i, it is likely that the data in the spooled file will be presented to WebReport/i as a single, unstructured data block for each line of the report. If this is the case then better results will probably be achieved by defining a column separator character to control the splitting of the data in the report.

The column separator character can be any alphanumeric character. Often the best results will be obtained by selecting *BLANK (blank character) which will split the data in the spooled file every time one or more consecutive blank characters occur.

***SPLF** Split the data in the report based on the organization of the data.

***BLANK** Blank

character The character to use to force a column split.

Number of column separator characters — The number of consecutive column separator characters required to force a column split.

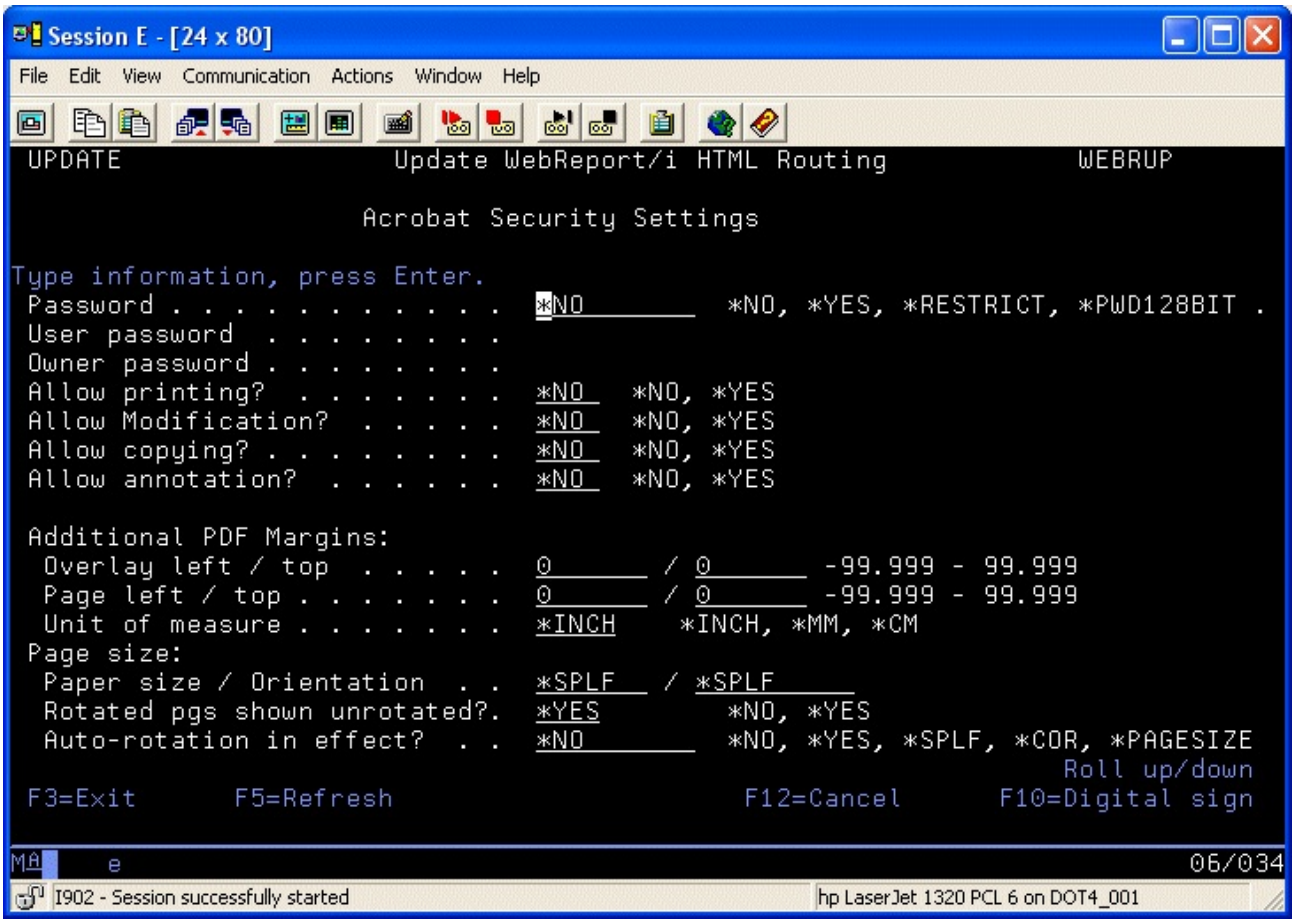
Number — The number of characters required.

Exclude pages — The EXCLPAGES (Exclude Pages) parameter allows you to identify pages of the spool should not be included in the

	resultant stream file. For example, if your spooled file contains header sheets or batch separator page dropped using this parameter. There are five elements to this parameter, each providing a different method of pages from the spooled file.
At start of spooled file	The number of pages to exclude at the beginning of the spooled file. If you specify a number on this parameter element, then that number of pages will be ignored at the start of the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of the spooled file, these can be dropped by specifying the number of pages to be dropped here.
At end of spooled file	The number of pages to exclude at the end of the spooled file. If you specify a number on this parameter element, then that number of pages will be ignored at the end of the spooled file. If your spooled file contains one or more unwanted trailer sheets at the end of the spooled file, these can be dropped by specifying the number of pages to be dropped here.
At start of each stream file	The number of pages to exclude at the beginning of each stream file created from the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of each set of required pages, these can be dropped from the stream file by specifying the number of created from the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of each set of required pages, these can be dropped from the stream file by specifying the number of pages to be dropped here.
At end of each stream file	The number of pages to exclude at the end of each file created from the spooled file. If your spooled file contains one or more unwanted trailer sheets at the end of each set of required pages, these can be dropped from the file by specifying the number of pages to be dropped here.
Exclude pages by key	A key string identifying pages to be dropped. Every page of the spooled file which contains the string specified here will be omitted from the resultant file(s). For example, if you spooled file contains batch header sheets, and these contain the word "Batch" on them, they can be excluded from the stream file by specifying "Batch" as the key string on this parameter.
Exclude line numbers:	The EXCLLINNBR (Exclude line numbers) parameter allows you to define lines which should be dropped from the output CSV or Excel file, for example unwanted headings. The group is specified by indicating a starting line and a number of following lines to be excluded.

From line number	Enter the starting line number or specify the special value *NONE if none are to be excluded.
Number of lines	The number of lines to be excluded.
Exclude lines by key:	The EXCLLINKEY (Exclude lines by key) parameter allows you to define lines which should be dropped from the output CSV or Excel file, for example unwanted sub-headings. The group is specified by indicating a key string, which, when located in the spooled file, denotes the start of the group, and a number of following lines to be excluded.
Exclude lines containing	The key string indicating the start of the group of lines to be excluded from the output or the special value *NONE if no lines are to be excluded.
Number of lines	The number of lines to be excluded.

If you are processing a PDF spool file conversion and you want to access the additional PDF options, press the F10 key and the following additional screen will be displayed:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
UPDATE Update WebReport/i HTML Routing WEBRUP
Acrobat Security Settings
Type information, press Enter.
Password . . . . . *NO *NO, *YES, *RESTRICT, *PWD128BIT .
User password . . . . . .
Owner password . . . . . .
Allow printing? . . . . . *NO *NO, *YES
Allow Modification? . . . . . *NO *NO, *YES
Allow copying? . . . . . *NO *NO, *YES
Allow annotation? . . . . . *NO *NO, *YES
Additional PDF Margins:
Overlay left / top . . . . . 0 / 0 -99.999 - 99.999
Page left / top . . . . . 0 / 0 -99.999 - 99.999
Unit of measure . . . . . *INCH *INCH, *MM, *CM
Page size:
Paper size / Orientation . . *SPLF / *SPLF
Rotated pgs shown unrotated?. *YES *NO, *YES
Auto-rotation in effect? . . *NO *NO, *YES, *SPLF, *COR, *PAGESIZE
Roll up/down
F3=Exit F5=Refresh F12=Cancel F10=Digital sign
MA e 06/034
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

Complete these fields as follows:

Password — Use one of the following values:

***NO** — No security features will be specified. Leave the other security parameters on this screen set to their default values.

***YES** — Security feature, including passwords, will be enforced. The output PDF file will be encrypted with 40 bit encryption.

***RESTRICT** — Security features will be enforced, including 40 bit encryption, but no passwords will be used.

***RST128BIT** — Security features will be enforced, but no passwords will be used. Encryption will be at the 128 bit level.

***PWD128BIT** — Security features will be enforced, including passwords. The output PDF file will be

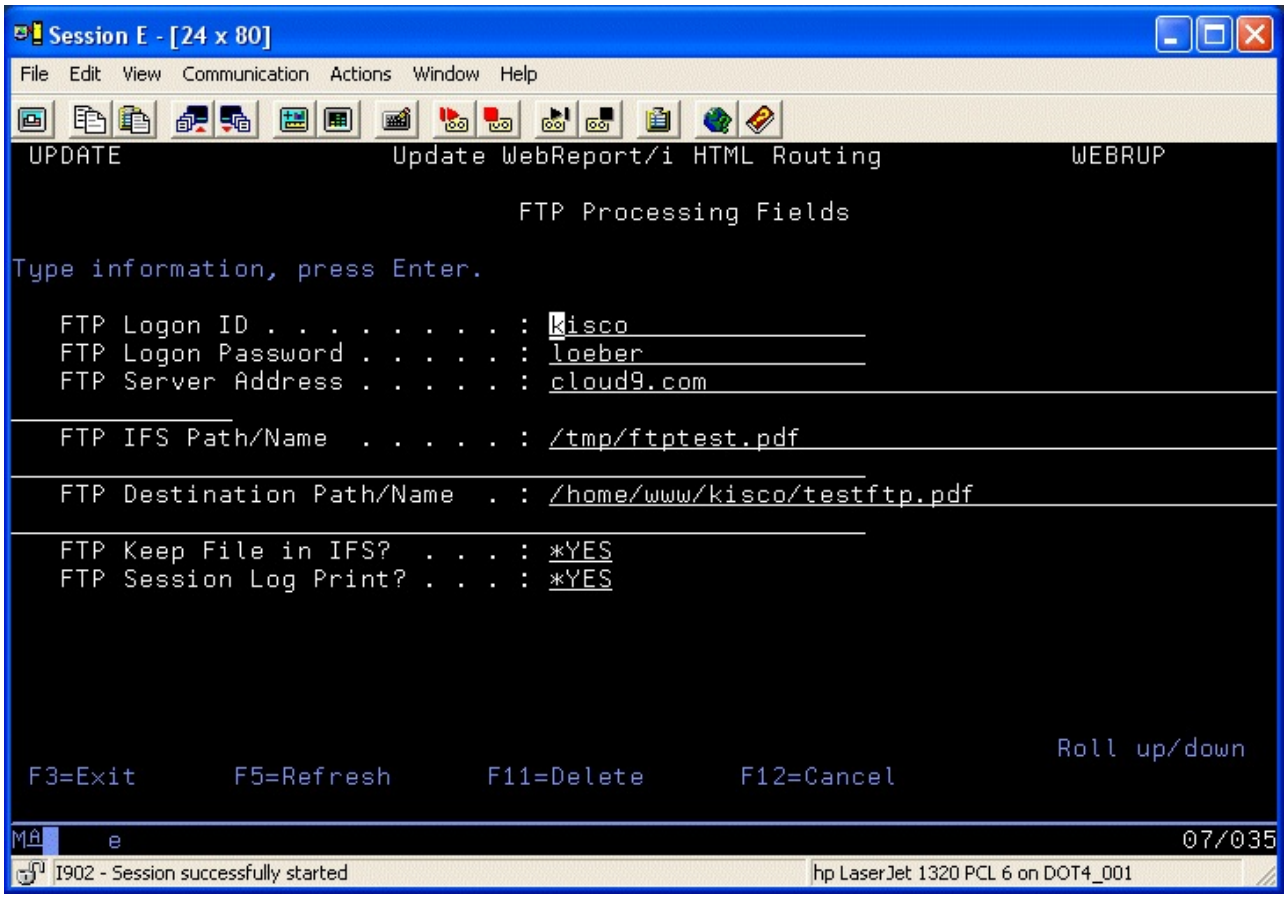
encrypted with 128 bit encryption.

User password	This is a case sensitive field of 32 characters. Enter the user password you want associated with the converted PDF file.
Owner password	This is a case sensitive field of 32 characters. Enter the owner password you want associated with the converted PDF file.
Allow printing?	If you want to allow printing of the PDF file, change this parameter to *YES.
Allow modifications?	If you want to allow the PDF file to be modified, change this parameter to *YES.
Allow copying of text?	If you want to allow text to be copied from the PDF file, change this parameter to *YES.
Allow annotation?	If you want to allow annotations to be made to the PDF file, change this parameter to *YES.

You can also control alignment on an AFP overlay from this screen. Some trial and error will be needed to find the right set of parameters. Most AFP overlays will align correctly without any adjustments. If you find you need adjustments, try the following:

Overlay left / top	The first value controls the left margin of the overlay. The second value controls the top margin of the overlay. Specify a number in the range indicated on the prompt.
Page left / top	The first value controls the left hand margin for the page. The second value controls the top margin for the page.
Unit of measure	Describes the values used for alignment as either in inches (*INCH), millimeters (*MM) or centimeters (*CC).
Paper size / Orientation	The first value is for the paper size. Use one of the following values: *SPLF, *CUSTOM, *A3, *A4, *A5, *B4, *B5, *LETTER, *LEGAL, *EXEC, *LEDGER. Note that customer, exec and ledger are not fully available as of this release. The second value is for the page orientation. Use one of the following values: *SPLF, *LANDSCAPE, *PORTRAIT
Rotated pgs shown unrotated?	Choose either *YES or *NO
Auto-rotation in effect?	Choose one of the following values: *NO, *YES, *SPLF, *COR, *PAGESIZE. Note that the pagesize option is not implemented as of this release.

When you specify that the converted document is to be sent to a remote server using FTP, the following additional screen of input will be requested:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
UPDATE Update WebReport/i HTML Routing WEBRUP
FTP Processing Fields
Type information, press Enter.
FTP Logon ID . . . . . : kisco
FTP Logon Password . . . . . : loeber
FTP Server Address . . . . . : cloud9.com
FTP IFS Path/Name . . . . . : /tmp/ftptest.pdf
FTP Destination Path/Name . : /home/www/kisco/testftp.pdf
FTP Keep File in IFS? . . . : *YES
FTP Session Log Print? . . . : *YES
Roll up/down
F3=Exit F5=Refresh F11=Delete F12=Cancel
MA e 07/035
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

Fill in the fields as follows:

FTP Logon ID	Enter the logon ID that you want to use at the remote server that you are connecting to for this FTP transfer.
FTP Logon Password	Enter the password for the Logon ID being used.
FTP Server Address	Enter the remote server IP address. This can be a named address or a numeric IP address.
FTP IFS Path/Name	Enter a path and file name where you want to store the converted spool file in the IFS on your system BEFORE the FTP transfer is made. Example: If you want to store the file in the tmp folder and name it testfile.pdf, you would enter the following value here: /tmp/testfile.pdf
FTP Destination Path/Name	Enter the path and file name where you want to store the file at the remote system.

	Examples would vary depending on the exact nature of the remote system that you are connecting to. We connected to a unix system during testing and the path ended up looking like this: /home/www/server/testfile.pdf
FTP Keep File in IFS?	If you want to keep the converted spool file in your IFS after the FTP transfer completes, use the *YES value. If you use *NO, the file will be deleted.
FTP Session Log Print?	If you use the *YES value, a printed log of your FTP session will be printed when the FTP transfer process completes. If there are any errors in the transfer process, they will show up on this log.

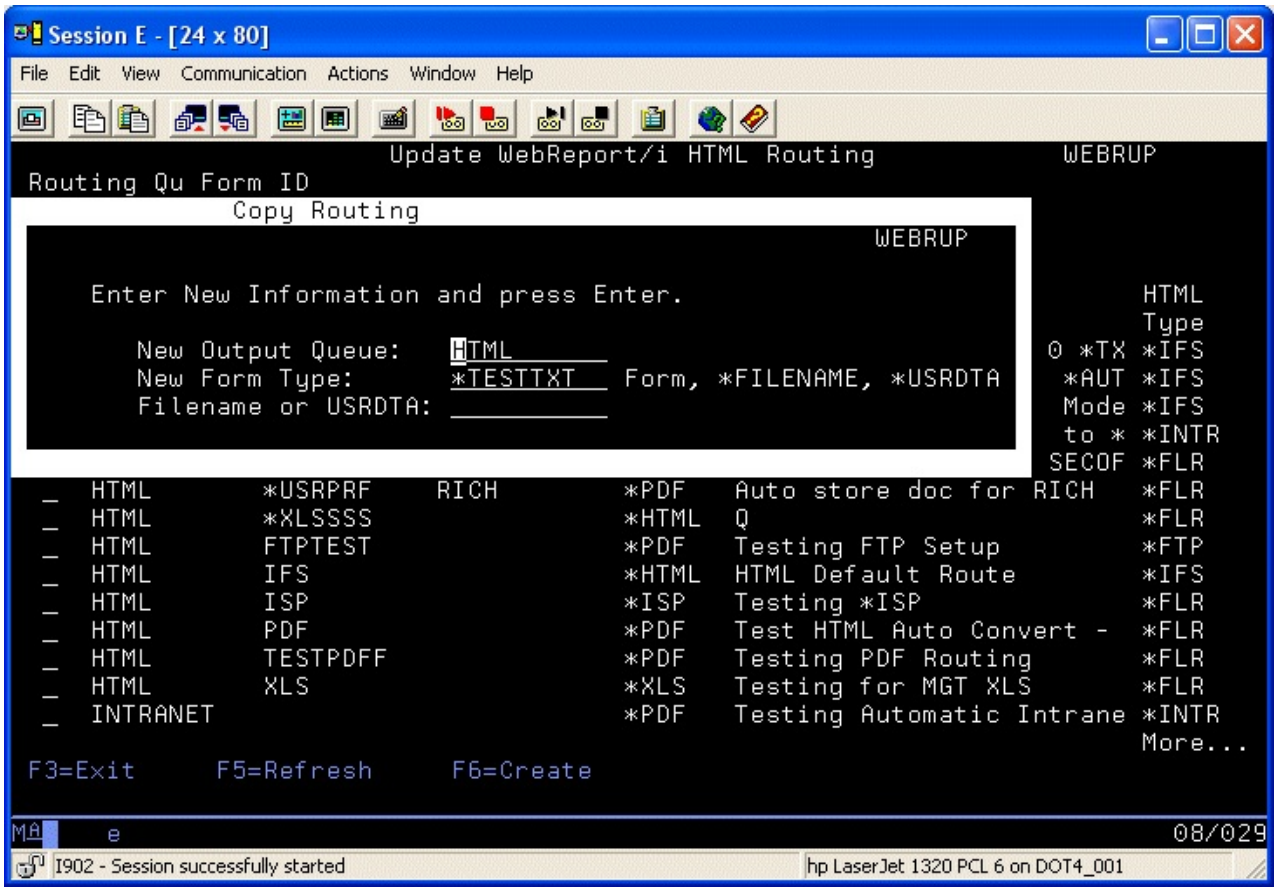
Once an *FTP routing has been set up, every time a qualifying spool file is created, it will automatically be sent via FTP using the options entered here.

Changing, Copying, Deleting and Reviewing HTML Routings

From the initial display screen, you can Change, Copy, Delete or Review HTML routing entries. When you change an entry, all of the edit criteria are reviewed again to guarantee that the stored information for the routing is accurate. When you delete an entry, a confirmation screen is displayed so help avoid accidental deletions.

When you copy process, a screen that looks like this will be displayed:

Fill in the new output queue, form type and filename fields and press ENTER. A new rule will be


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Update WebReport/i HTML Routing WEBRUP
Routing Qu Form ID
Copy Routing
WEBRUP
Enter New Information and press Enter.
New Output Queue: HTML
New Form Type: *TESTTXT Form, *FILENAME, *USRDTA
Filename or USRDTA:
HTML Type
0 *TX *IFS
*AUT *IFS
Mode *IFS
to * *INTR
SECOF *FLR
_ HTML *USRPRF RICH *PDF Auto store doc for RICH *FLR
_ HTML *XLSSSS *HTML Q *FLR
_ HTML FTPTEST *PDF Testing FTP Setup *FTP
_ HTML IFS *HTML HTML Default Route *IFS
_ HTML ISP *ISP Testing *ISP *FLR
_ HTML PDF *PDF Test HTML Auto Convert - *FLR
_ HTML TESTPDFF *PDF Testing PDF Routing *FLR
_ HTML XLS *XLS Testing for MGT XLS *FLR
_ INTRANET *PDF Testing Automatic Intrane *INTR
More...
F3=Exit F5=Refresh F6=Create
08/029
I902 - Session successfully started
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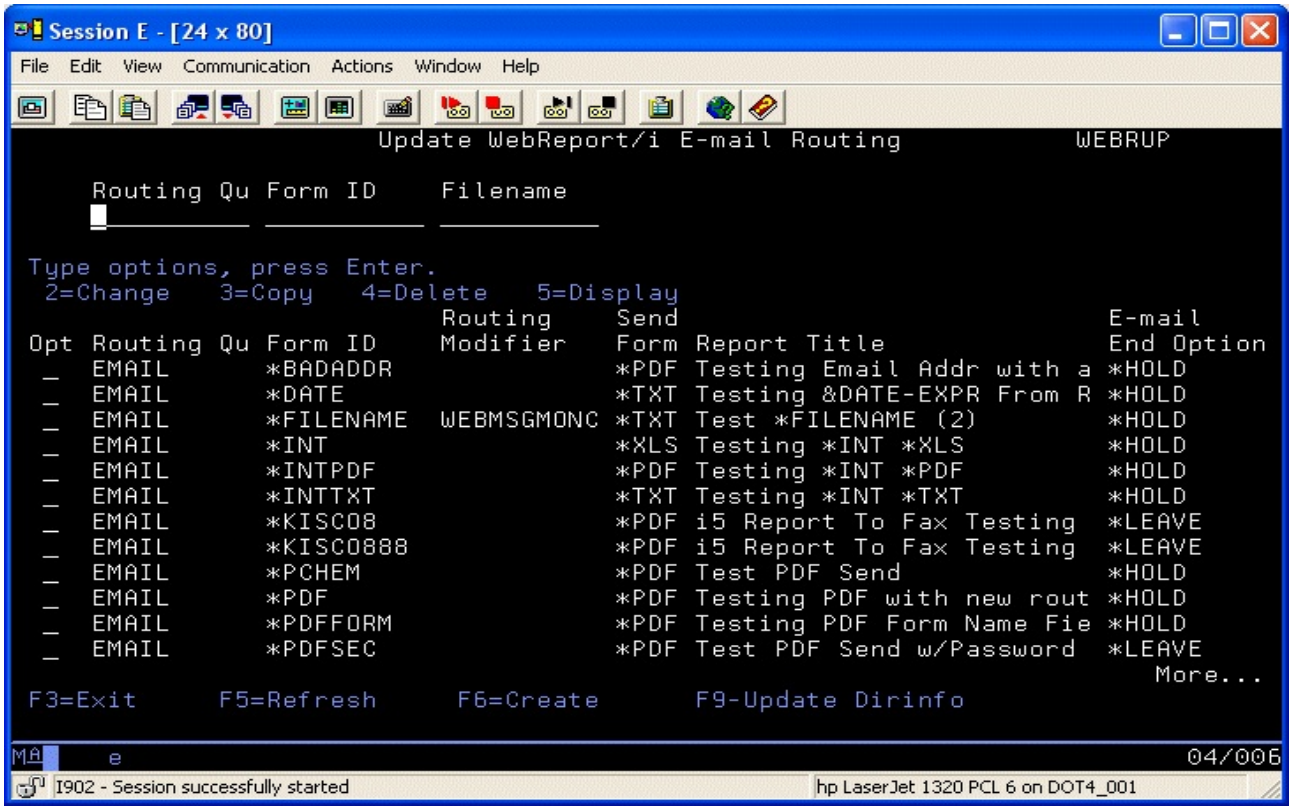
created using these new values and all of the previous settings for the selected rule.

Update E-mail Routing Table

To update an E-mail routing table in WebReport/i, choose menu option #18 from the MASTER menu. Before starting the update, WebReport/i will ask if the System Directory information should be refreshed. If you have recently made changes to a recipient address that you want to use from the system directory, then this information should be updated before you start updating routing information. The following screen will be displayed after any directory information is updated:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Update WebReport/i E-mail Routing WEBRUP
Routing Qu Form ID Filename
Type options, press Enter.
2=Change 3=Copy 4=Delete 5=Display
Opt Routing Qu Form ID Routing Modifier Send Form Report Title E-mail End Option
_ EMAIL *BADADDR *PDF Testing Email Addr with a *HOLD
_ EMAIL *DATE *TXT Testing &DATE-EXPR From R *HOLD
_ EMAIL *FILENAME WEBMSGMONC *TXT Test *FILENAME (2) *HOLD
_ EMAIL *INT *XLS Testing *INT *XLS *HOLD
_ EMAIL *INTPDF *PDF Testing *INT *PDF *HOLD
_ EMAIL *INTTXT *TXT Testing *INT *TXT *HOLD
_ EMAIL *KISC08 *PDF i5 Report To Fax Testing *LEAVE
_ EMAIL *KISC0888 *PDF i5 Report To Fax Testing *LEAVE
_ EMAIL *PCHEM *PDF Test PDF Send *HOLD
_ EMAIL *PDF *PDF Testing PDF with new rout *HOLD
_ EMAIL *PDFFORM *PDF Testing PDF Form Name Fie *HOLD
_ EMAIL *PDFSEC *PDF Test PDF Send w/Password *LEAVE
More...
F3=Exit F5=Refresh F6=Create F9-Update Dirinfo
MA e 04/006
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

From this screen, you can add new routing instructions, review and update existing routing instructions and delete routing instructions that you do not want to use any longer. The following control keys can be used from this display:

F3 End the update session.

F5 Refresh the information displayed on the screen.

F6 Open a blank window to add a new E-mail routing instruction.

F9 Update the directory information used in WebReport/i (only used if you are addressing your messages using SMTP addresses associated with the IBM i/OS system directory).

After routing entries have been established, you can use the options listed at the top of the screen to work with the entries. The options are as follows:

2 Change - Lets you make changes to the selected entry.

3 Copy - Use an existing routing entry to create a new one. All of the information associated with the existing entry is copied over to the new one.

4 Delete - Lets you delete a selected entry.

5 Review - Displays the full routing instruction for your review.

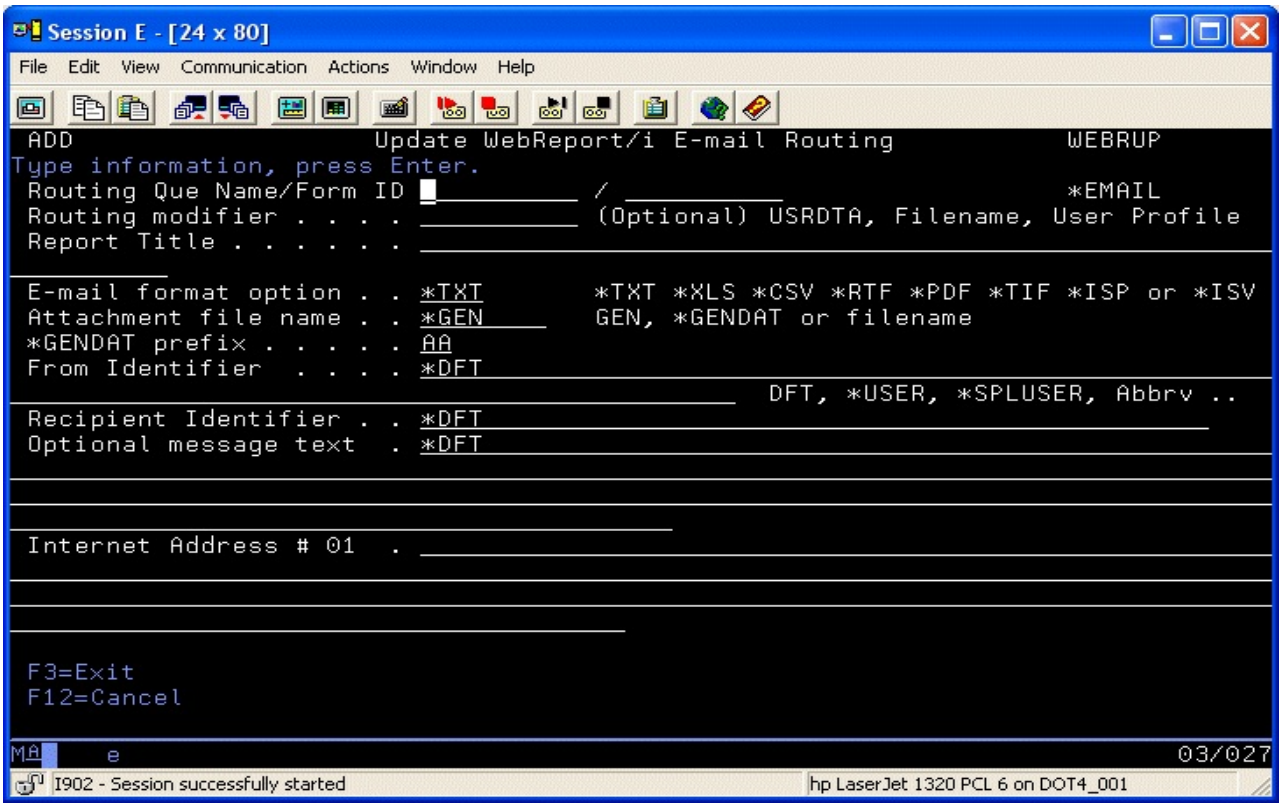
To use any of these options, key the option on the line you want to work with and press ENTER. Each option is discussed separately below along with the "Add" functions:

Adding a new E-mail Routing Instruction

From the initial display, you can create a new E-mail routing by pressing the F6 function key. When you do, the following screen will be displayed:
Fill in the fields as follows:

Routing Que Name — Enter the name of the output queue to use. If this queue does not exist, WebReport/i will prompt you to create it. It will also create a virtual print device so that output can be routed to either the output queue or the virtual device.

Routing Form ID — You should create an entry with a blank form first. This will identify


Session E - [24 x 80]
File Edit View Communication Actions Window Help
ADD Update WebReport/i E-mail Routing WEBRUP
Type information, press Enter.
Routing Que Name/Form ID
*EMAIL
Routing modifier . . . . (Optional) USRDTA, Filename, User Profile
Report Title . . . . . .
E-mail format option . . *TXT *TXT *XLS *CSV *RTF *PDF *TIF *ISP or *ISV
Attachment file name . . *GEN GEN, *GENDAT or filename
*GENDAT prefix . . . . . AA
From Identifier . . . . *DFT
DFT, *USER, *SPLUSER, Abbrv ..
Recipient Identifier . . *DFT
Optional message text . *DFT
Internet Address # 01 .
F3=Exit
F12=Cancel
MA e 03/027
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

the default routing for this output queue. If you want special routing for a set of spool files, you can also specify one of the following:

Form ID Enter a specific Form ID. This corresponds to the FORMTYPE parameter on the spool file. WebReport/i will check for a specific form ID before applying the default routing.

***FILENAME** Enter this special value if you want to route the report based on the spool file name. When you specify this value, you must also complete the next parameter. WebReport/i will check for the *FILENAME routing before applying the default routing.

***USRDTA** Enter this special value if you want to route the report based on the spool file's user data field contents. When you specify this value, you must also complete the next parameter. WebReport/i will check for the *USRDTA routing before applying the default routing.

***USRPRF** Enter this special value if you want to route the report based on the user profile that is associated with the spool file. When you specify this value, you must also complete the next parameter. WebReport/i will check for the use profile routing before applying the default routing.

Routing modifier If you have specified *FILENAME, *USRDTA or *USRPRF for the Form ID above, then you must enter the spool file name, user data field contents or user profile in this field.

Report Title Enter a short description of the report. This will be inserted into the E-mail message as the Subject.

This field also supports a special "macro" expression. If you encode a special value of '&DATE-EXPR' anywhere in the report title field, WebReport/i will replace that field with the current system date using your configured date formatting.

Example:

"Sales Report for &DATE-EXPR"

will be converted to the following value by WebReport/i:

"Sales Report for 10/02/2006"

E-mail format option Choose one of the following:

***TXT** The report will be converted into a simple text file and sent in that form.

***RTF** The report will be converted into a Rich Text Format file and sent in that format. RTF files can be processed using most popular PC-based word processing software and can provide better control when the recipient wants to print the report on their PC.

***PDF** The spool file will be converted into a Adobe Acrobat Format file (PDF). The PDF format can be viewed on PC's using the Adobe Acrobat Reader which is available for free from Adobe.

This reader can be used to view and print reports on PC's and Macintosh computers.

***XLS** The spool file will be converted into an Excel spreadsheet file that can be used directly by Excel or other popular spreadsheet programs.

***CSV** The spool file will be converted into a Comma Separated Values file (CSV). This format is easily used to transfer the report contents into an electronic spreadsheet.

***TIF** The spool file will be converted into TIF graphics format.

***ISV** The spool file will be converted into special format so that it can be restored to any iSeries system and put back into an output queue. (Recommended)

***ISP** The spool file will be converted into special format so that it can be restored to any iSeries system and put back into an output queue. (No longer recommended, but available for compatibility reasons.)

Note: The *PDF, *CSV, *XLS, *TIF, *ISV and *ISP options are only available when have WebReport/i PDF installed.

From Identifier — Choose one of the following values to have this email message identified:

***DFT** The sender will be identified using the default settings from the WEBSET command that was entered when the software was installed and configured.

***USER** The sender will be identified using the current user profile and the default email address from the WEBSET command.

Name If an address book abbreviation name is used, then the sender will be identified with both the name and email address that corresponds to the name entered. The information will be taken from the WebReport/i address book file.

Email Enter any valid email address.

Recipient ID — This parameter identifies the recipient for this email message. Choose one of the following values:

*DFT The default value specified by the WEBSET command is used. You can use the WEBSET command from the WebReport/i INSTALL menu. This value is normally set during installation and configuration of the software.

Name Enter the specific value that you want to use to identify the recipient for this email.

Optional message — This field lets you add text that will be sent along with the report in the body of the E-mail message.

***DFT** Will send a default standard E-mail text to each recipient. You can control the default message text from the INSTALL

menu with the WEBSET command.

***NONE** This option will completely suppress the message text in the created email.

Internet Address — Enter the address for this E-mail routing. You must specify at least one destination address.

Addresses can take the following forms:

Direct Addresses - these are in standard form such as "sales@kisco.com"

WebReport/i Abbreviations - use any abbreviation name that you have already entered into the WebReport/i Address Book.

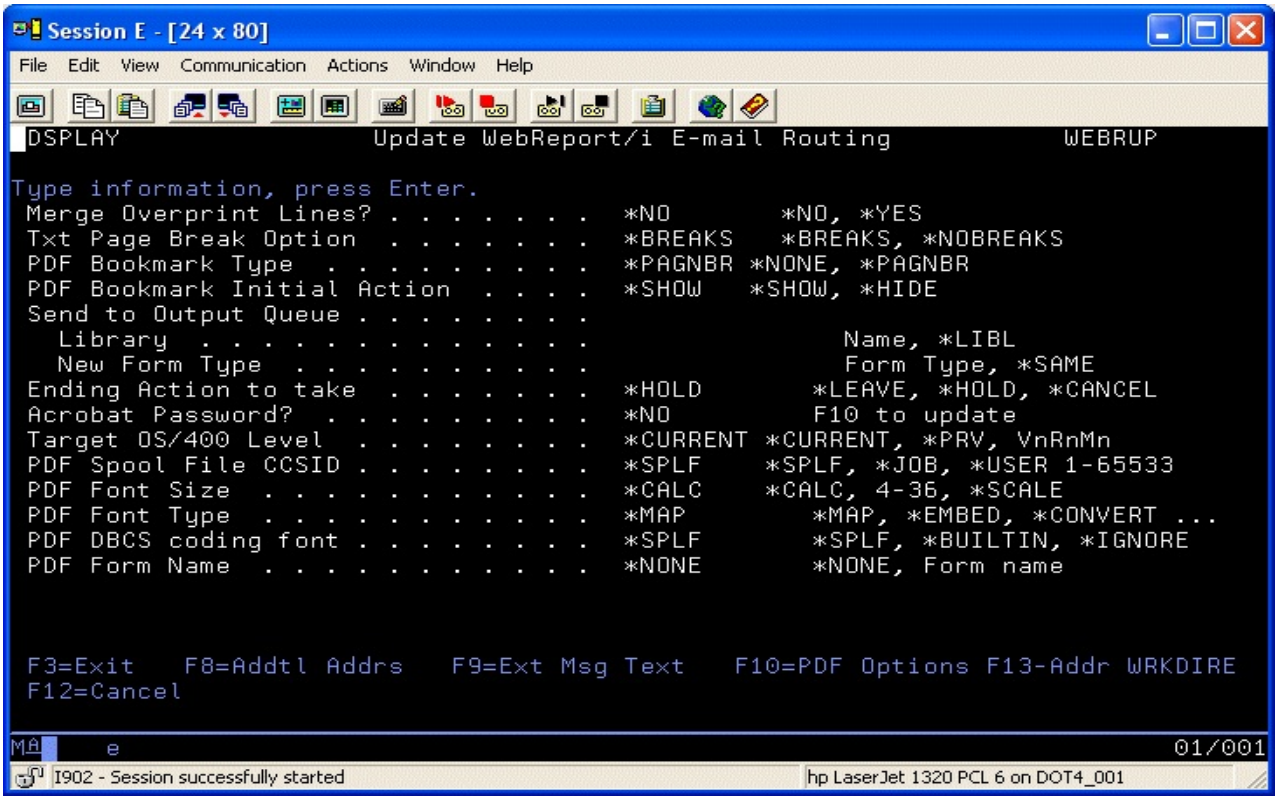
Multiple E-mail addresses can be stacked together within each of the 20 parameter fields provided. You can stack Direct Addresses mixed with WebReport/i Abbreviations. To stack addresses, just place a semi-colon (';') between the addresses without leaving any blank characters.

Example: sales@kisco.com;JOHN;myfriend@friends.com

In the above example, the report will be sent to the two direct internet addresses shown and to the E-mail address associated with the WebReport/i abbreviated name JOHN.

When the first screen is filled in, press ENTER to continue on to the next screen. If the Routing Que is a new one that does not already exist on your system, WebReport/i will prompt you to create the new output queue. If you decide that you do not want to create the output queue, then it will not get created and an error will prevent you from completing this entry.

If you do create the queue or it already exists, then the following detail information will be displayed:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
DSPLAY Update WebReport/i E-mail Routing WEBRUP
Type information, press Enter.
Merge Overprint Lines? . . . . . *NO *NO, *YES
Txt Page Break Option . . . . . *BREAKS *BREAKS, *NOBREAKS
PDF Bookmark Type . . . . . *PAGNBR *NONE, *PAGNBR
PDF Bookmark Initial Action . . . . *SHOW *SHOW, *HIDE
Send to Output Queue . . . . . .
Library . . . . . Name, *LIBL
New Form Type . . . . . Form Type, *SAME
Ending Action to take . . . . . *HOLD *LEAVE, *HOLD, *CANCEL
Acrobat Password? . . . . . *NO F10 to update
Target OS/400 Level . . . . . *CURRENT *CURRENT, *PRV, VnRnMn
PDF Spool File CCSID . . . . . *SPLF *SPLF, *JOB, *USER 1-65533
PDF Font Size . . . . . *CALC *CALC, 4-36, *SCALE
PDF Font Type . . . . . *MAP *MAP, *EMBED, *CONVERT ...
PDF DBCS coding font . . . . . *SPLF *SPLF, *BUILTIN, *IGNORE
PDF Form Name . . . . . *NONE *NONE, Form name
F3=Exit F8=Addtl Addrs F9=Ext Msg Text F10=PDF Options F13-Addr WRKDIRE
F12=Cancel
MA e 01/001
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

Continue entering information fields:

Merge Overprint Lines? This option controls how overprint lines in the spool file are handled by WebReport/i for *TXT and *RTF processing. Choose one of the following values:

***NO** Default value. When overprint lines are found in the spool file, only the first line will be processed. All other overprint lines will be ignored.

***YES** When overprint lines are found, the contents of each line will be merged together into a single line.

Txt Page Break

***BREAKS** A line of hyphens will be inserted where the natural page breaks occur when converting the spool file to *TXT format. This is the default.

***NOBREAKS** No additional lines will be added when converting the spool file to *TXT format.

PDF Bookmark Type Enter one of the following values:

***NONE** No PDF bookmarks will be added to the report

	***PAGNBR**	Page number PDF bookmarks will be added to the report
PDF Bookmark Initial Action	Enter one of the following values:	
	***SHOW**	The bookmarks will be displayed when the PDF file is opened
	***HIDE**	The bookmarks will not be displayed when the PDF file is opened. The user will have the option to open them on demand.
Send-to Output Queue & Library	If you want to route the report on to another output queue for additional processing or local printing, enter the destination output queue name here. You can also specify a different form type when this is processed. **Note**: If you want to use the Route To field, you must designate an End Option of *LEAVE.	
Ending Action	Enter one of the following values:	
	*LEAVE	The spool file entry will be left in the print spool.
	*CANCEL	The spool file entry will be deleted from the print spool.
	*HOLD	The spool file entry will be kept in the print spool but it will be put into hold status.
Acrobat Password?	To access the controls for PDF security fields, press the F10 key.	
Target IBM i/OS Level	If you have specified a *ISP conversion, enter one of the following values:	
	***CURRENT**	Use the current IBM i/OS level value for this system.
	***PRV**	Use the prior IBM i/OS level based on the value for this system.
	VxRxMx	Use the specific value entered. Note that this must be a valid level based on the current installed IBM i/OS on your system.
PDF Spool File CCSID	If you are processing a PDF conversion, choose the value that works best for the spool file being processed.	
PDF Font Size	For *PDF conversions, this parameter gives you control over the size of the font used. Choose from the following:	
	*CALC	Use this default value to let WebReport/i calculate a font size based on the attributes of your print file.
	*SCALE	If you find that *CALC does not produce a satisfactory

result, try this *SCALE value. A different method will be used to set the font size based on different spool file attributes from your report.

4-36 If you want to use a specific font size, code the numeric value within the range of 4 to 36.

PDF Font Type Controls the way the text from your spool file is rendered in your PDF document. Choose one of the following values:

*MAP WebReport/i will attempt to map the font in your spool file as closely as possible using PDF fonts available. This is the default value and will normally produce the desired result.

*EMBED WebReport/i will embed the selected font directly into the PDF file. When *MAP results are unsatisfactory, this option should be tried as it may give better results.

*CONVERT This performs the same conversion as *MAP.

font Choose one of the following specific font values to be used throughout the conversion:

*COURIER, *COURIERB, *COURIERO, *COURIERBO, *HELVETICA, *HELVB, *HELVO, *HELVBO, *TIMES, *TIMESB, *TIMESI, *TIMESBI, *SYMBOL, *DINGBATS

PDF DBCS Coding This parameter gives you control over the font that is selected when a DBCS coded font is to be used.

Choose one of the following options:

*SPLF This is the default value. WebReport/i determines the DBCS font name from the spool file attributes.

*BUILTIN WebReport/i will use its built in conversion font.

*IGNORE WebReport/i will ignore data that appears to be DBCS and will treat it as SBCS data.

*NOERROR If the DBCS font cannot be identified, WebReport/i continues processing as if *IGNORE had been specified and no error is issued.

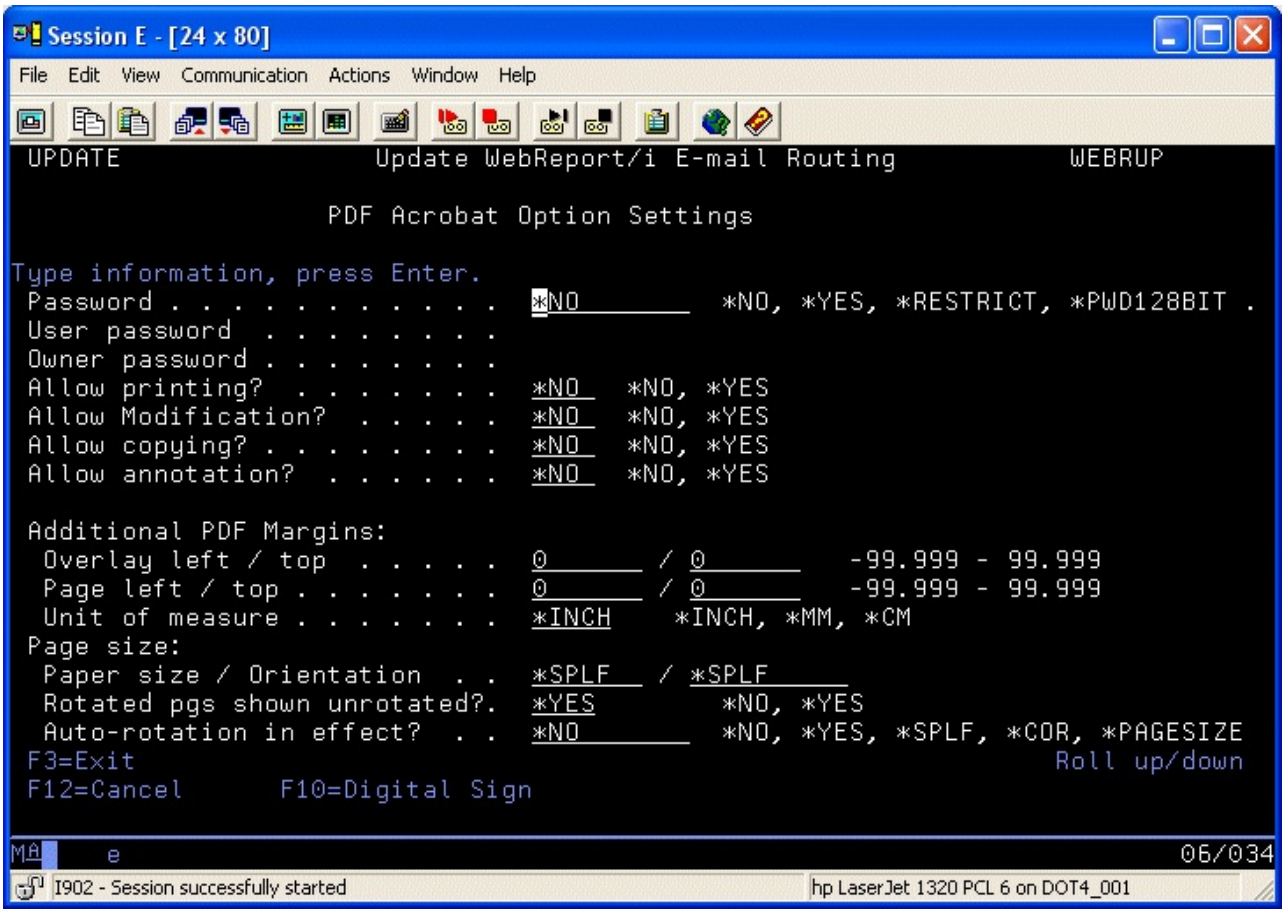
PDF Form Name If no PDF form is defined, set this value to the default value of *NONE. If you are using a PDF form, enter the name of the form definition. PDF Forms are fully documented in a separate user's guide

.

From this screen, you can choose the following function key options for additional entry fields:

F8=Addtl Addrs	Using the F8 option will open up several additional screens of destination Internet email addresses. If the initial field is not sufficient to hold all of the destination addresses, use this option to add more.
F9=Ext Text Msg	The initial message text field in the first screen is limited to 256 characters. The actual message text field in WebReport/i supports up to 512 characters. If the initial field did not contain the entire message text that you want to use, the F9 key will give you access to the entire text.
F10=PDF Sec.	If this is an Acrobat routing (*PDF) and you have specified that you want to use PDF Passwords, press this function key to access the additional Acrobat security settings. See below for details.
F13=Addr WRKDIRE	When WebReport/i was initially created, the only email addressing scheme available was tied to the system directory. If you are an existing WebReport/i customer who used this method of email addressing, you can use this option to access those address fields. Kisco does not recommend this method for new WebReport/i customers. If you need additional information about this feature, please contact Kisco Support.

If you select F10 to specify the Acrobat options, the following screen will be shown:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
UPDATE Update WebReport/i E-mail Routing WEBRUP
PDF Acrobat Option Settings
Type information, press Enter.
Password . . . . . *NO *NO, *YES, *RESTRICT, *PWD128BIT .
User password . . . . . .
Owner password . . . . . .
Allow printing? . . . . . *NO *NO, *YES
Allow Modification? . . . . . *NO *NO, *YES
Allow copying? . . . . . *NO *NO, *YES
Allow annotation? . . . . . *NO *NO, *YES
Additional PDF Margins:
Overlay left / top . . . . . 0 / 0 -99.999 - 99.999
Page left / top . . . . . 0 / 0 -99.999 - 99.999
Unit of measure . . . . . *INCH *INCH, *MM, *CM
Page size:
Paper size / Orientation . . *SPLF / *SPLF
Rotated pgs shown unrotated?. *YES *NO, *YES
Auto-rotation in effect? . . *NO *NO, *YES, *SPLF, *COR, *PAGESIZE
F3=Exit Roll up/down
F12=Cancel F10=Digital Sign
MA e 06/034
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

Complete these fields as follows:

Password — Use one of the following values:

***NO** — No security features will be specified. Leave the other security parameters on this screen set to their default values.

***YES** — Security feature, including passwords, will be enforced. The output PDF file will be encrypted with 40 bit encryption.

***RESTRICT** — Security features will be enforced, including 40 bit encryption, but no passwords will be used.

***RST128BIT** — Security features will be enforced, but no passwords will be used. Encryption will be at the 128 bit level.

***PWD128BIT** — Security features will be enforced, including passwords. The output PDF file will be

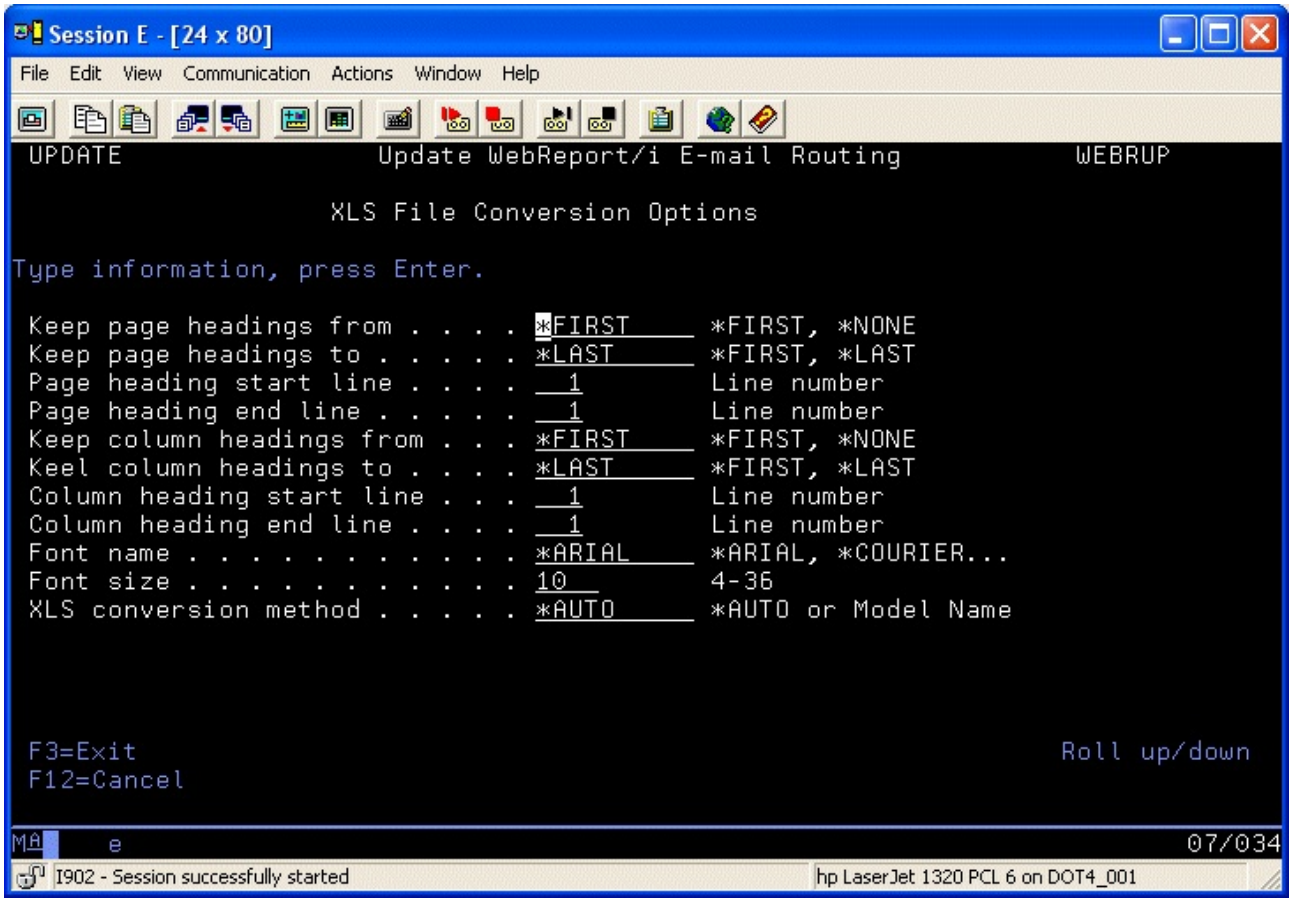
encrypted with 128 bit encryption.

User password	This is a case sensitive field of 32 characters. Enter the user password you want associated with the converted PDF file.
Owner password	This is a case sensitive field of 32 characters. Enter the owner password you want associated with the converted PDF file.
Allow printing?	If you want to allow printing of the PDF file, change this parameter to *YES.
Allow modifications?	If you want to allow the PDF file to be modified, change this parameter to *YES.
Allow copying of text?	If you want to allow text to be copied from the PDF file, change this parameter to *YES.
Allow annotation?	If you want to allow annotations to be made to the PDF file, change this parameter to *YES.

You can also control alignment on an AFP overlay from this screen. Some trial and error will be needed to find the right set of parameters. Most AFP overlays will align correctly without any adjustments. If you find you need adjustments, try the following:

Overlay left / top	The first value controls the left margin of the overlay. The second value controls the top margin of the overlay. Specify a number in the range indicated on the prompt.
Page left / top	The first value controls the left hand margin for the page. The second value controls the top margin for the page.
Unit of measure	Describes the values used for alignment as either in inches (*INCH), millimeters (*MM) or centimeters (*CC).
Paper size / Orientation	The first value is for the paper size. Use one of the following values: *SPLF, *CUSTOM, *A3, *A4, *A5, *B4, *B5, *LETTER, *LEGAL, *EXEC, *LEDGER. Note that customer, exec and ledger are not fully available as of this release. The second value is for the page orientation. Use one of the following values: *SPLF, *LANDSCAPE, *PORTRAIT
Rotated pgs shown unrotated?	Choose either *YES or *NO
Auto-rotation in effect?	Choose one of the following values: *NO, *YES, *SPLF, *COR, *PAGESIZE. Note that the pagesize option is not implemented as of this release. .

If you are converting your spool file into Excel format (*XLS), then the following additional screen will be displayed:

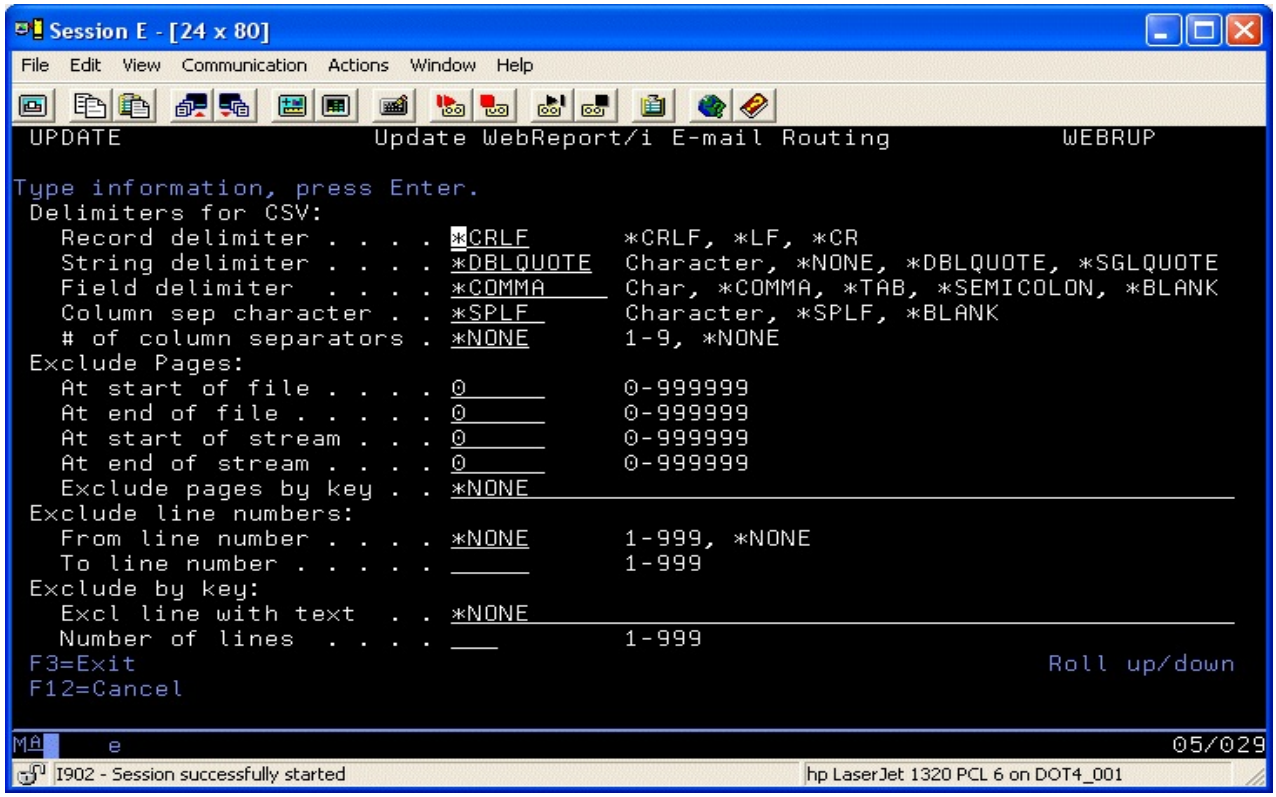

Session E - [24 x 80]
File Edit View Communication Actions Window Help
UPDATE Update WebReport/i E-mail Routing WEBRUP
XLS File Conversion Options
Type information, press Enter.
Keep page headings from . . . . *FIRST *FIRST, *NONE
Keep page headings to . . . . . *LAST *FIRST, *LAST
Page heading start line . . . . 1 Line number
Page heading end line . . . . . 1 Line number
Keep column headings from . . . *FIRST *FIRST, *NONE
Keel column headings to . . . . *LAST *FIRST, *LAST
Column heading start line . . . 1 Line number
Column heading end line . . . . 1 Line number
Font name . . . . . *ARIAL *ARIAL, *COURIER...
Font size 10 4-36
XLS conversion method . . . . . *AUTO *AUTO or Model Name
F3=Exit
F12=Cancel
Roll up/down
MA e
07/034
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

Complete the fields as follows:

Keep page headings?	Use one of these options: ***FIRST** - only keep the headings from the first page ***ALL** - keep all page headings ***NONE** - ignore all page headings
Page heading start line	This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored. Enter the starting line number for the page headings on your report.
Page heading ending line	This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored. Enter the ending line number for the page headings on your report.

Keep column headings?	Use one of these options: ***FIRST** - only keep the column headings from the first page ***ALL** - keep all column headings ***NONE** - ignore all column headings
Column heading start line	This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored. Enter the starting line number for the column headings on your report.
Column heading ending line	This parameter is only used when your conversion method refers to a report model. If the XLSCONV parameter is set to *AUTO, this parameter is ignored. Enter the ending line number for the column headings on your report.
Font face	Select the font that you want to use for the conversion. The following are currently supported: *ARIAL, *COURIER, *COURIERB, *COURIERO, *COURIERBO, *HELVETICA, *HELVB, *HELVO, *HELVBO, *TIMES, *TIMESB, *TIMESI, *TIMESBI, *SYMBOL, *DINGBATS
Font size	Choose the size that you want to enforce for the selected font.
XLS conversion method	For conversion to XLS format, this parameter lets you select the way WebReport/i does the conversion. Choose one of the following options: ***AUTO -** Use WebReport/i's automatic column interpretation. This option is preferred for the first time that you attempt an *XLS conversion on a report. **Model Name** - Enter the name of an XLS Report Model that you have built using the option from the MASTER menu for this purpose.

If you are entering a *CSV conversion entry, the following additional parameter screen will appear when the previous screens have been completed:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
UPDATE Update WebReport/i E-mail Routing WEBRUP
Type information, press Enter.
Delimiters for CSV:
Record delimiter . . . . *CRLF *CRLF, *LF, *CR
String delimiter . . . . *DBLQUOTE Character, *NONE, *DBLQUOTE, *SGLQUOTE
Field delimiter . . . . *COMMA Char, *COMMA, *TAB, *SEMICOLON, *BLANK
Column sep character . . *SPLF Character, *SPLF, *BLANK
# of column separators . *NONE 1-9, *NONE
Exclude Pages:
At start of file 0 0-999999
At end of file 0 0-999999
At start of stream . . . 0 0-999999
At end of stream 0 0-999999
Exclude pages by key . . *NONE
Exclude line numbers:
From line number . . . . *NONE 1-999, *NONE
To line number 1-999
Exclude by key:
Excl line with text . . *NONE
Number of lines 1-999
F3=Exit Roll up/down
F12=Cancel
MA e 05/029
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

These additional parameters can be completed as follows:

Delimiters: (There are 5 elements to the parameter as follows)

Record delimiter	This parameter defines the characters to be used to indicate the end of a record in the CSV file.
***CRLF**	Carriage return and line feed. Both a carriage return (x'0D') and a line feed.
***CR**	Just a carriage return (x'0D') is used.
***LF**	Just a line feed (x'0A') is used.
String delimiter	The character to be used to enclosed character string data.
***DBLQUOTE**	A double quote (") is used.
***SGLQUOTE**	A single quote (') is used.
***NONE**	No delimiter is used. Alphanumeric data is not enclosed by any special character.
Delimiter-char	The delimiter character to use.
Field delimiter	The character to be used to separate fields in the CSV file.
***COMMA**	A comma (,) is used.

***TAB**	A tab (x'09') is used.
***BLANK**	A blank (x'20') is used.
***SEMICOLON**	A semicolon (;) is used.
Delimiter-char	The delimiter character to use.
Column separator	The values you select on this parameter control how the spooled file is converted to a delimited ASCII text file (e.g. a comma separated variable file). The default for the first element is *SPLF. This tells WebReport/i to break the spooled file data into columns based on the way in which the data is split up in the spooled file. Where the spooled file is created from an externally described printer file this will probably give the best results, since the data in the spooled file is likely to be organized so that each natural or logical item of data appears as a separately identifiable element. However, if the spooled file is created from an internally described printer file, or from an application such as IBM's Query/i, it is likely that the data in the spooled file will be presented to WebReport/i as a single, unstructured data block for each line of the report. If this is the case then better results will probably be achieved by defining a column separator character to control the splitting of the data in the report. The column separator character can be any alphanumeric character. Often the best results will be obtained by selecting *BLANK (blank character) which will split the data in the spooled file every time one or more consecutive blank characters occur.
***SPLF**	Split the data in the report based on the organization of the data.
***BLANK**	Blank
character	The character to use to force a column split.
Number of column separator characters	The number of consecutive column separator characters required to force a column split.
Number	The number of characters required.
Exclude pages	The EXCLPAGES (Exclude Pages) parameter allows you to identify pages of the spool should not be included in the resultant stream file. For example, if your spooled file contains header sheets or

batch separator page dropped using this parameter.

There are five elements to this parameter, each providing a different method of pages from the spooled file.

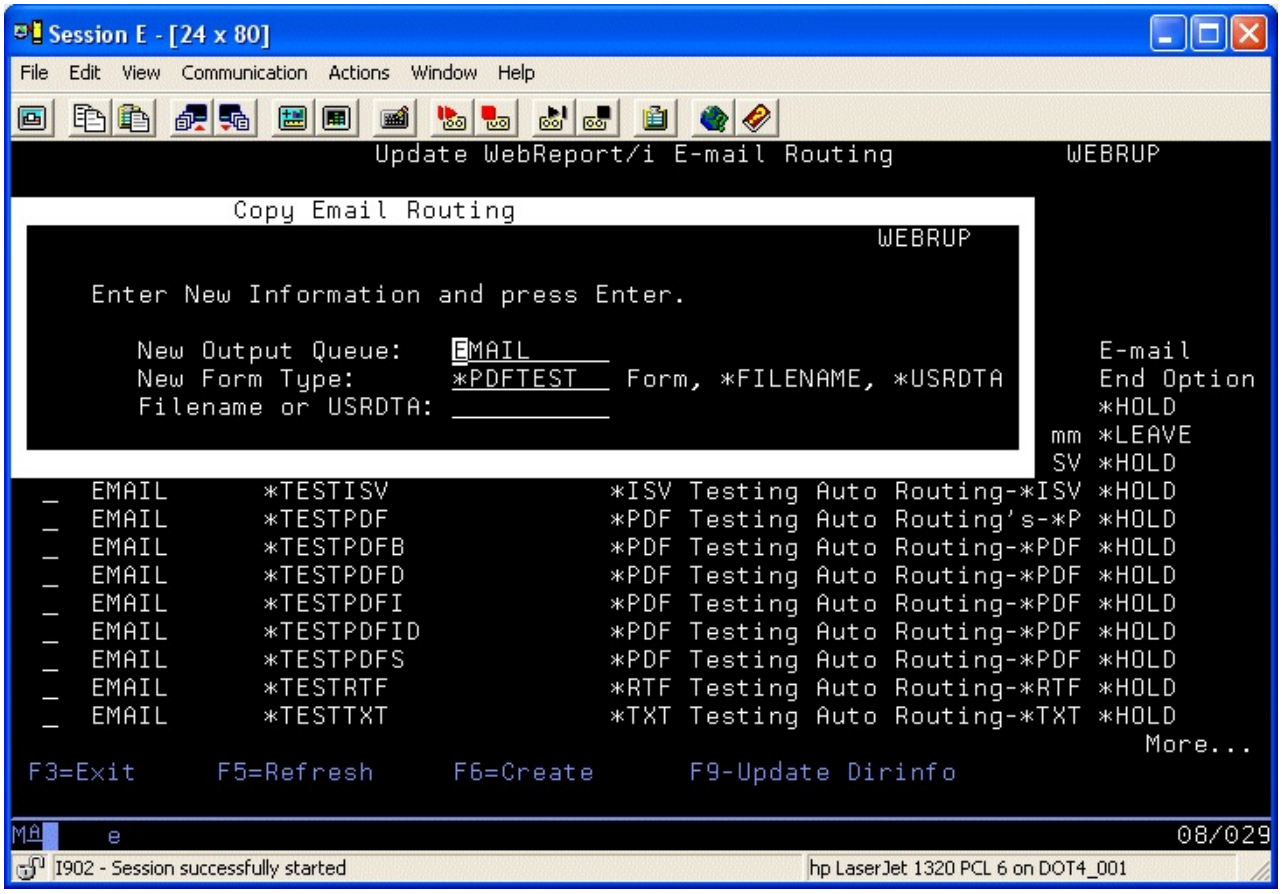
At start of spooled file	The number of pages to exclude at the beginning of the spooled file. If you specify a number on this parameter element, then that number of pages will be ignored at the start of the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of the spooled file, these can be dropped by specifying the number of pages to be dropped here.
At end of spooled file	The number of pages to exclude at the end of the spooled file. If you specify a number on this parameter element, then that number of pages will be ignored at the end of the spooled file. If your spooled file contains one or more unwanted trailer sheets at the end of the spooled file, these can be dropped by specifying the number of pages to be dropped here.
At start of each stream file	The number of pages to exclude at the beginning of each stream file created from the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of each set of required pages, these can be dropped from the stream file by specifying the number of created from the spooled file. If your spooled file contains one or more unwanted header sheets at the beginning of each set of required pages, these can be dropped from the stream file by specifying the number of pages to be dropped here.
At end of each stream file	The number of pages to exclude at the end of each file created from the spooled file. If your spooled file contains one or more unwanted trailer sheets at the end of each set of required pages, these can be dropped from the file by specifying the number of pages to be dropped here.
Exclude pages by key	A key string identifying pages to be dropped. Every page of the spooled file which contains the string specified here will be omitted from the resultant file(s). For example, if your spooled file contains batch header sheets, and these contain the word "Batch" on them, they can be excluded from the stream file by specifying "Batch" as the key string on this parameter.
Exclude line numbers:	The EXCLLINNBR (Exclude line numbers) parameter allows you to define lines which should be dropped from the output CSV or Excel file, for example unwanted headings. The group is specified by indicating a starting line and a number of following lines to be excluded.
From line number	Enter the starting line number or specify the special value *NONE if none are to be excluded.

Number of lines	The number of lines to be excluded.
Exclude lines by key:	The EXCLLINKEY (Exclude lines by key) parameter allows you to define lines which should be dropped from the output CSV or Excel file, for example unwanted sub-headings. The group is specified by indicating a key string, which, when located in the spooled file, denotes the start of the group, and a number of following lines to be excluded.
Exclude lines containing	The key string indicating the start of the group of lines to be excluded from the output or the special value *NONE if no lines are to be excluded.
Number of lines	The number of lines to be excluded.

Changing, Copying, Deleting and Reviewing E-mail Routings

From the initial display screen, you can Change, Copy, Delete or Review E-mail routing entries. When you change an entry, all of the edit criteria are reviewed again to guarantee that the stored information for the routing is accurate. When you delete an entry, a confirmation screen is displayed so help avoid accidental deletions.

When selecting to copy a routing entry, the following will be displayed:
Fill in the new output queue, form type and filename fields and press ENTER. A new email routing rule will be created based on the selected rule with this new information. You can then edit it to


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Update WebReport/i E-mail Routing WEBRUP
Copy Email Routing
WEBRUP
Enter New Information and press Enter.
New Output Queue: EMAIL
New Form Type: *PDFTEST Form, *FILENAME, *USRDTA
Filename or USRDTA:
E-mail End Option
*HOLD
mm *LEAVE
SV *HOLD
_ EMAIL *TESTISV *ISV Testing Auto Routing-*ISV *HOLD
_ EMAIL *TESTPDF *PDF Testing Auto Routing's-*P *HOLD
_ EMAIL *TESTPDFB *PDF Testing Auto Routing-*PDF *HOLD
_ EMAIL *TESTPDFD *PDF Testing Auto Routing-*PDF *HOLD
_ EMAIL *TESTPDFI *PDF Testing Auto Routing-*PDF *HOLD
_ EMAIL *TESTPDFID *PDF Testing Auto Routing-*PDF *HOLD
_ EMAIL *TESTPDFS *PDF Testing Auto Routing-*PDF *HOLD
_ EMAIL *TESTRTF *RTF Testing Auto Routing-*RTF *HOLD
_ EMAIL *TESTTXT *TXT Testing Auto Routing-*TXT *HOLD
More...
F3=Exit F5=Refresh F6=Create F9-Update Dirinfo
08/029
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make any additional modifications needed.

Automatic Routing Using Email Addresses in the Spool File

This feature of WebReport/i lets you place direct internet addresses in your print spool for automatic routing purposes. Using this feature, you can create a single spool file that contains multiple messages to different Email destinations. WebReport/i will process the report and send it to the various destinations automatically. Using this feature, you can create reports using Email addresses on your database files for automatically routing output reports. It will even let you send segments of the report for local printing on paper. You can use this method of automatic routing for *PDF, *TXT, *RTF and *XLS conversions.

Note: When sending Adobe Acrobat attachments, this feature will only work when the spool file is an *SCS type spool file (ie: character based, non-graphic). If you have a spool file that is using an AFP (IBM's Advanced Function Printing) overlay, it can be used with an *SCS spool file and WebReport/i will keep the overlay with the output that is processed.

There are two components to this feature. First, you have to add the destination Email addresses to the spool file output from your program. This is done by inserting "Email Directive" lines in your print spool. The Email Directive lines will NOT be included in the output Email that is sent and are only used for telling WebReport/i where to send the reports and/or report segments.

The Email Directive statements must always start in position 1 (or position 2) of the spool file print line. A Directive can contain a single Email address or multiple addresses. You can code a single Directive at the start of the spool file or place them throughout the spool file.

A simple Email Directive statement might look as follows:

#EMAIL("name@company.com")

If you used this example, the spool file contents starting with the line following the Directive statement will be sent to the Email address "name@company.com" until another Directive is found or until the end of the report is found. Note that you must use double quotes exactly as shown in this example.

To send a segment of the spool file for local printing, the Email Directive should look as follows"

#EMAIL("*OUTQ")

When WebReport/i sees this directive, it will route the segment of the spool file to the default output queue that is specified in the INTOUTQ parameter of the WEBSET command (option #9 on the INSTALL menu). See the documentation for the WEBSET command for more details.

If you want to send the report to multiple destinations, then you can code the Directive as follows:

#EMAIL("name1@company.com;name2@company.com")

Note the use of a semi-colon to separate the addresses. If you have more Email addresses than will fit on a single line, you can use multiple Directive lines. Note that they MUST be on lines immediately following the first of the Directive lines. An example of this might look like the following:

#EMAIL("name1@company.com;name2@company.com")
#EMAIL("name2@company.com;name3@company.com")

The Directive line can also be used to specify a variable Email Title value. To implement this feature, you need to change the format of the #EMAIL directive that you place in your spool file. This directive is used for sending different segments of a report to unique destination Email addresses. You can add the title information by coding an additional parameter on the #EMAIL directive.

Here is an example of the format you should use:

#EMAIL("name1@company.com") TITLE("Special Email for Name1")

In this example, the segment of the report will be sent to the Email address "name1@company.com". That Email message will carry the subject line shown in the TITLE parameter. You must be careful to code the parameter exactly as shown, complete with the quotes as shown. Also, the TITLE parameter has to conform to the following rules:

1. It cannot exceed 50 characters in length.
2. If you have multiple #EMAIL directive lines, the TITLE parameter must appear on the last of these before the report segment starts.

The second part of this feature is the method that you use to tell WebReport/i to use the Internal Addresses. If you are using the EREPORT command (or menu option #1 from the MASTER menu), then you must use the special value '*INT' in the first Internet Address parameter (TOINET) or the first Recipient Address parameter (TOUSRID). No other Internet Addresses or Recipient Addresses can be coded on the command. This configuration will tell WebReport/i to look for the Email Directive statements in the spool file being sent.

If you are using Automatic Email Routing, then the automatic routing entry must be set up in a similar manner. Internet Address # 01 or E-mail Recipient # 01 must be set to the special value '*INT'. No other recipient information can be entered.

Automatic Routing by User Profile

WebReport/i includes a method for automatic Email routing of iSeries spool files based on user profile. Using this option, you can create reports on the system for your user profile. When these reports are routed to a special output queue, WebReport/i will pick them up and automatically route the reports according to the routing instruction that you set up.

There are two setup tasks that you need to do to get this working. First, you need to create the special output queue. The queue must be named SEND2ME. You will find an output queue by this name in the WEBREPORT library. We recommend that you copy this output queue into the QUSRSYS library where it will be generally available to all of your users and your application programs.

Once the SEND2ME output queue has been created, you then have to set up a special routing instruction in the Email routing table. Use menu option #18 from the MASTER menu and create a new Email routing entry. The Routing Que Name must be set to your user profile name and the Routing Form ID should be set to the special value *USER. Set up the rest of the Email routing to work the way you want, you can find instructions on how to set up Email routings in the user's guide.

Once the special output queue has been created and a routing entry added, then you are ready to use the feature. This feature requires that the Automatic Routing feature be started (menu option #15 on

the MASTER menu). To use this feature, create a report on your system. When the spool file is ready, change it to point to the output queue named SEND2ME. As soon as it is moved to the special output queue, WebReport/i will pick it up and route it for you.

Automatic Routing Using *USRDFNDTA Field

You can also store the destination email address (or addresses) in the USRDFNDTA field associated with your spool file. The USRDFNDTA parameter is a 256 character long string that is associated with every spool file on your system. It can be set to whatever value you desired and can be coded in your application programming. It can be built into a print file using the CRTPRTF or CHGPRTF commands or on the OVRPRTF command.

To use this feature, specify the *USRDFNDTA special value for the destination email address in the EREPORT command or in the automatic routing table. Then, when you prepare your spool file, store the destination email address in the USRDFNDTA field for your spool file. If you want to specify multiple destinations, just separate them by semi-colon (";") characters with no blanks. You can use WebReport/i address book abbreviation names as well as full email addresses.

Starting Automatic Routing

Once you have set up at least one routing instruction, you can start the automatic routing process by selecting menu option #15. You can also use the command to start the automatic routing process from within your own program. To use the command, type the following:

WEBREPORT/STRWEBRTR

When you start the routing process, a new subsystem will be started on your system named EREPORT. On most systems, this subsystem will appear listed first on your display for active jobs. Within this subsystem there will be a single job named WEBRTR which will process all automatic routing requests. This job will normally lie dormant waiting for work to be done so little system resource is needed to maintain the routing function when there is no activity.

Ending Automatic Routing

To end the automatic routing function, select menu option #16. You can also end the function by keying the command as follows:

WEBREPORT/ENDWEBRTR

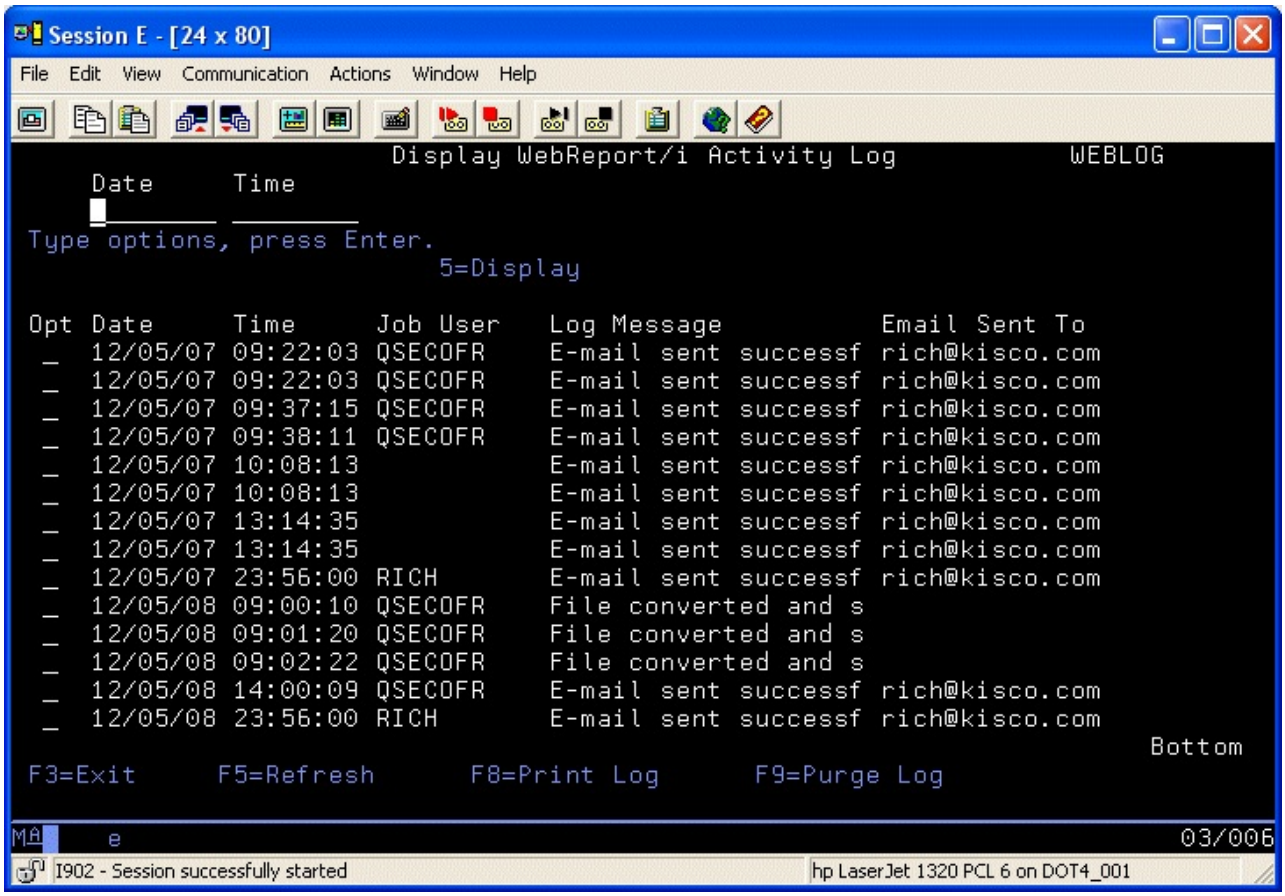
When the automatic function ends, it leaves the EREPORT subsystem enabled for future use.

Activity Log

All functions of WebReport/i automatically log activity to the log. All entries in the log can be viewed by selecting menu option #19. When you start this menu option, you will be prompted for a starting date parameter. Use one of the following values:

*TODAY	Will start the display as of the current day
*PRVDAY	Will start the display as of the previous day
YY/MM/DD	Will start the display as of the specific date entered. Make sure that you use the date format shown, including the '/' characters.

The activity log will appear as follows:
To see the details about any specific entry, place a 5 next to it and press ENTER. You can print the


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Display WebReport/i Activity Log WEBLOG
Date Time
Type options, press Enter.
5=Display
Opt Date Time Job User Log Message Email Sent To
_ 12/05/07 09:22:03 QSECOFR E-mail sent successf rich@kisco.com
_ 12/05/07 09:22:03 QSECOFR E-mail sent successf rich@kisco.com
_ 12/05/07 09:37:15 QSECOFR E-mail sent successf rich@kisco.com
_ 12/05/07 09:38:11 QSECOFR E-mail sent successf rich@kisco.com
_ 12/05/07 10:08:13 E-mail sent successf rich@kisco.com
_ 12/05/07 10:08:13 E-mail sent successf rich@kisco.com
_ 12/05/07 13:14:35 E-mail sent successf rich@kisco.com
_ 12/05/07 13:14:35 E-mail sent successf rich@kisco.com
_ 12/05/07 23:56:00 RICH E-mail sent successf rich@kisco.com
_ 12/05/08 09:00:10 QSECOFR File converted and s
_ 12/05/08 09:01:20 QSECOFR File converted and s
_ 12/05/08 14:00:09 QSECOFR File converted and s
_ 12/05/08 14:00:09 QSECOFR E-mail sent successf rich@kisco.com
_ 12/05/08 23:56:00 RICH E-mail sent successf rich@kisco.com
Bottom
F3=Exit F5=Refresh F8=Print Log F9=Purge Log
MA e 03/006
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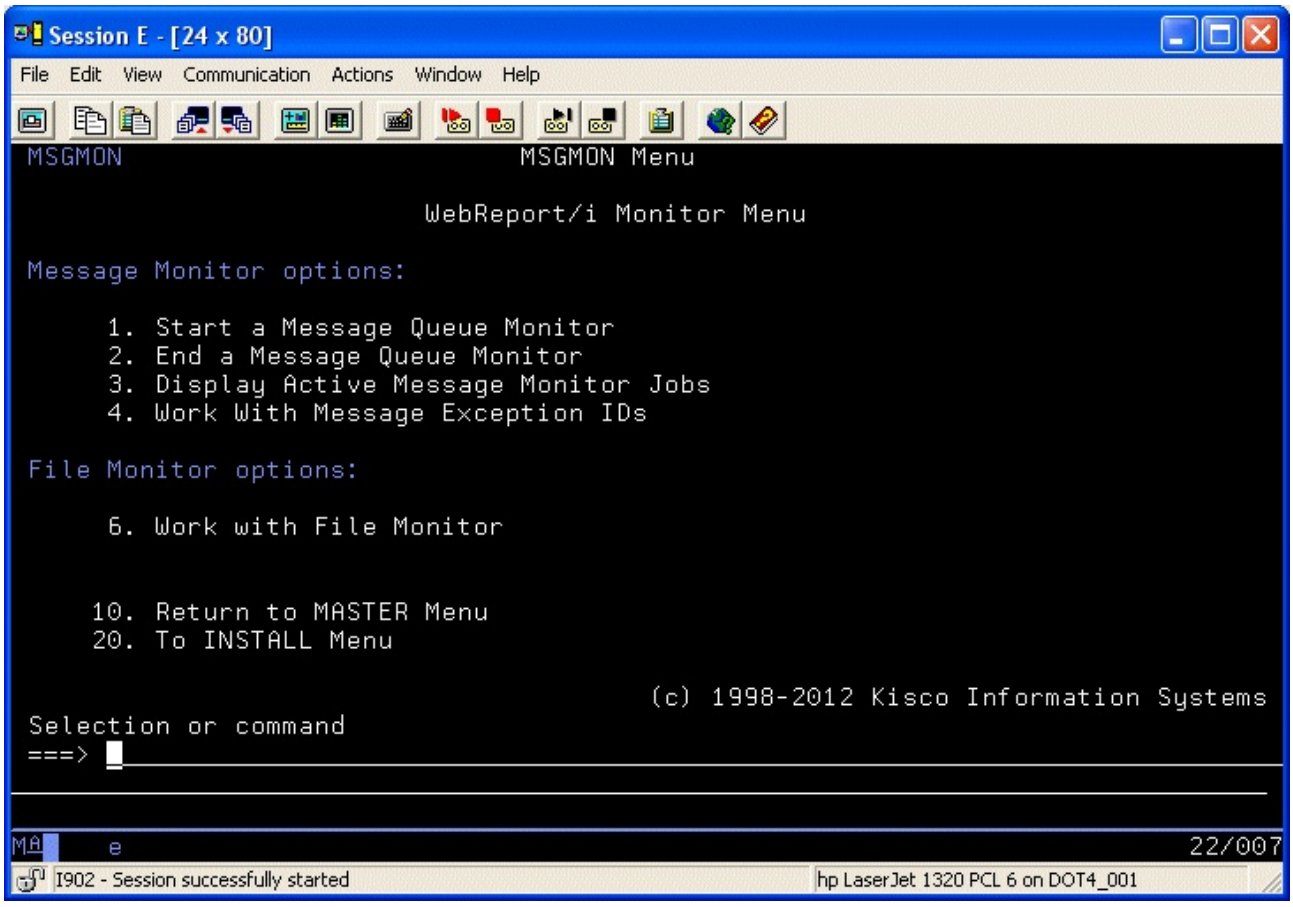
contents of the entire log as a report by selecting the F8 function key. Pressing the F9 function key will allow you to purge old information from the log.

The Monitor Menu

When you select option 20 from the MASTER menu, the WebReport/i Monitor Menu will be displayed as follows:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
MSGMON MSGMON Menu
WebReport/i Monitor Menu
Message Monitor options:
1. Start a Message Queue Monitor
2. End a Message Queue Monitor
3. Display Active Message Monitor Jobs
4. Work With Message Exception IDs
File Monitor options:
6. Work with File Monitor
10. Return to MASTER Menu
20. To INSTALL Menu
(c) 1998-2012 Kisco Information Systems
Selection or command
===>
MA e 22/007
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WebReport/i has two different monitoring capabilities. For each, an event will be watched for by WebReport/i and then reported via email according to the directions that you have set up.

The menu options are as follows:

1. Start a Message Queue Monitor	Start a message monitor task on your system.
2. End a Message Queue Monitor	End a message monitor task previously started.
3. Display Active Message Monitor Jobs	Display current active message monitor and router activity on you system.
4.Work With Message Exception IDs	Lets you enter specific message IDs that you want to exclude from message queue monitor reporting.
6. Work with File Monitor	Work with current file monitor settings.

Message Monitors

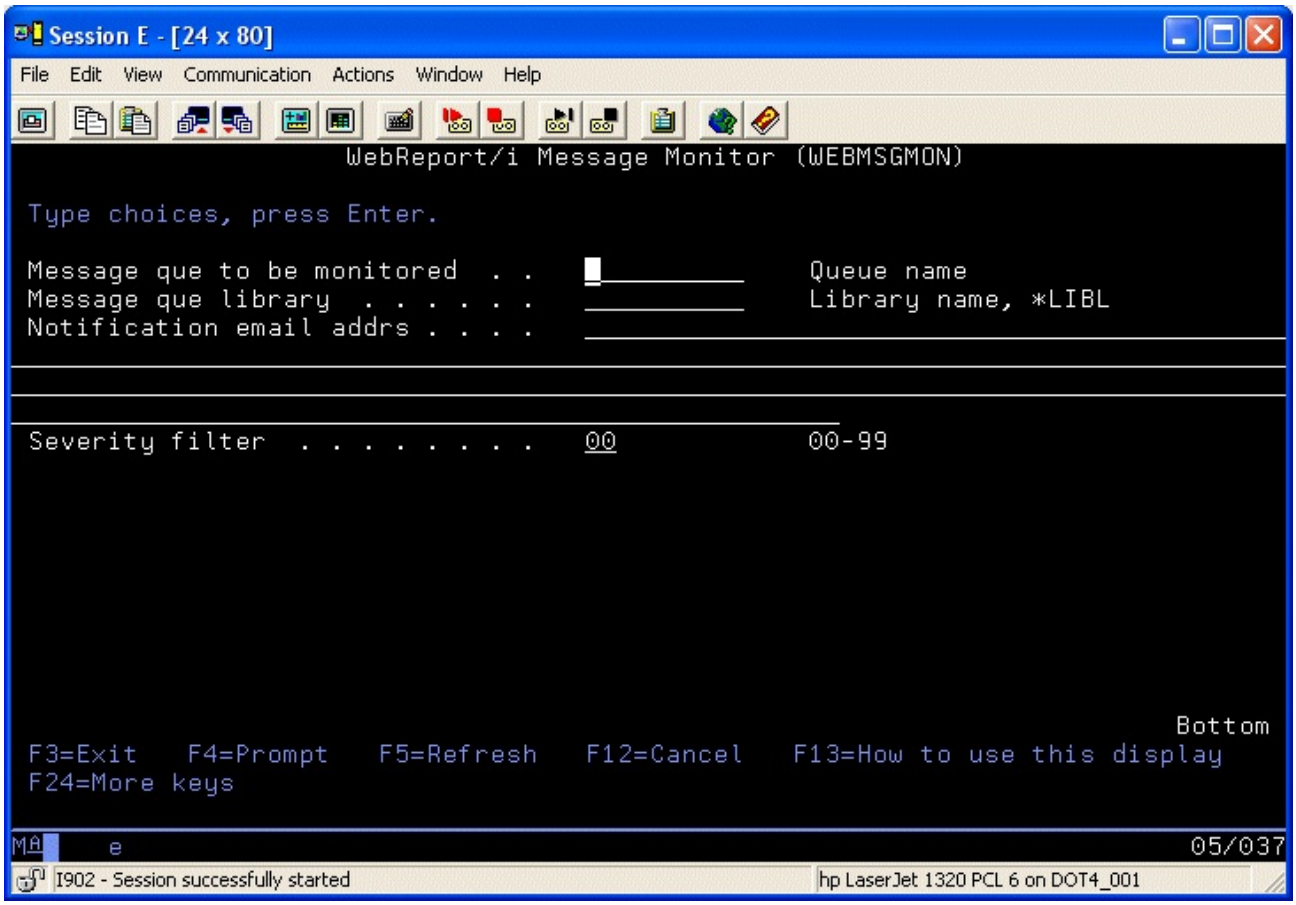
WebReport/i has the ability to monitor (or watch) any message queue in the system looking for

messages posted that meet a severity level filter. When a qualifying message is sent to the monitored message queue, WebReport/i will read the details of the message and then automatically send a notification to one or more email addresses that have been supplied when the message monitor was started.

In order for a message queue to be monitored, you must start a monitor for that specific message queue. When you select menu option #1 from the Monitor menu, the following command prompt will be displayed:

Fill in the parameters as follows:

Message que to be monitored Enter the name of the message queue that you want to monitor.


Session E - [24 x 80]
File Edit View Communication Actions Window Help
WebReport/i Message Monitor (WEBMSGMON)
Type choices, press Enter.
Message que to be monitored . . Queue name
Message que library . . . . . Library name, *LIBL
Notification email addrs . . . .
Severity filter 00 00-99
Bottom
F3=Exit F4=Prompt F5=Refresh F12=Cancel F13=How to use this display
F24=More keys
05/037
I902 - Session successfully started
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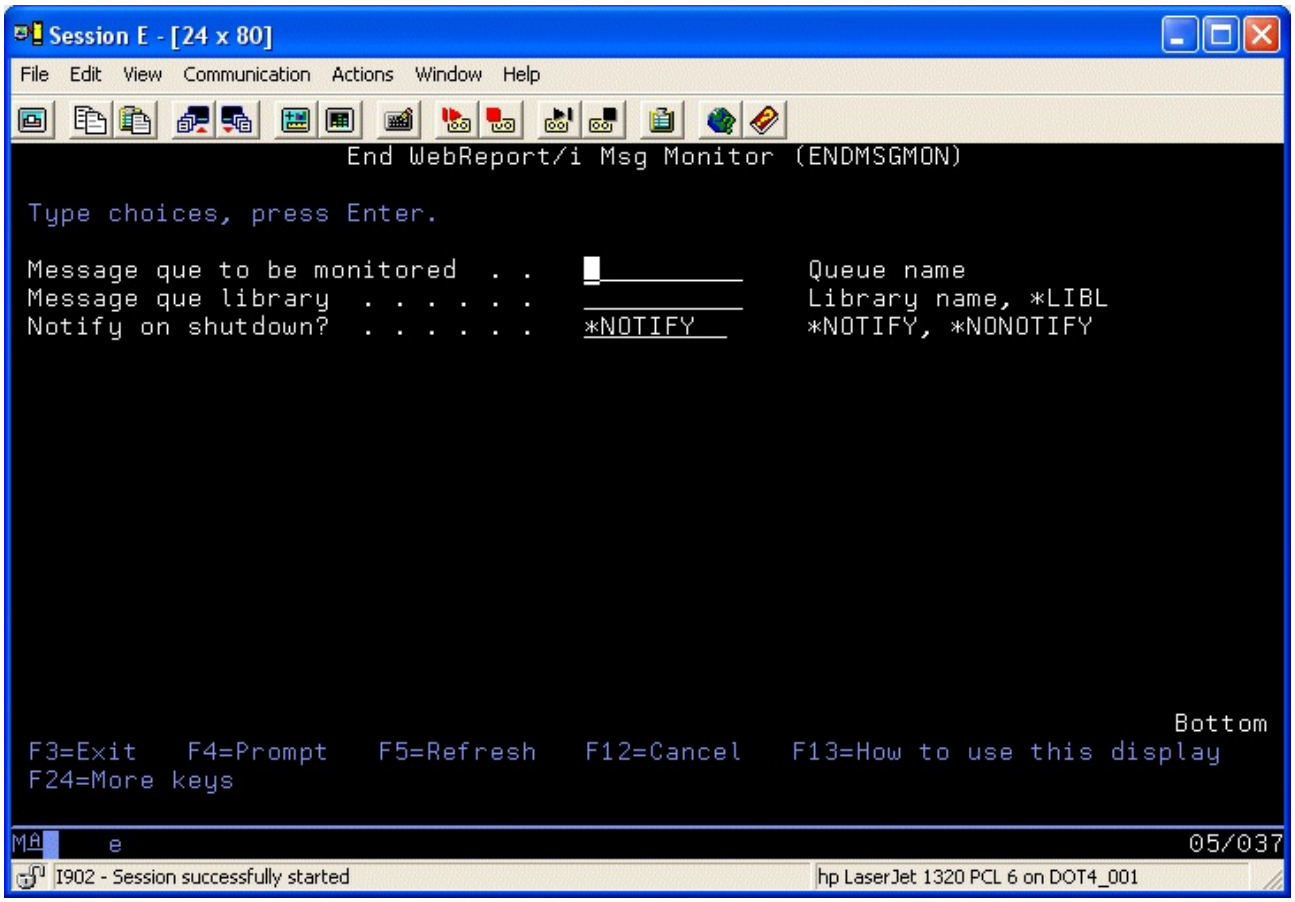
Message que library	Enter the name of the library where the message queue exists. If you leave this parameter blank, the system will check all libraries in your current library list as if you had coded this with *LIBL.
Notification email addrs	Enter the email address or list of email address where you want message notification messages sent. This must be a valid email address or a WebReport/i address book abbreviation. If you want to specify multiple address, each address must be separated by a semi-colon (';')with no spaces.

Severity filter	Enter the minimum severity level for message where you want to receive a notification. Any messages received in the message queue being monitored that have a lower value will not be reported. If you use the value of zero, all messages will be reported.

Once the parameters have all been set for your message queue monitor job, press ENTER and the monitor will be started in the EREPORT subsystem that is also used by the automatic router functions of WebReport/i. Once a monitor has been started, you will not be able to delete messages from the message queue manually (as in the case of the system operator message queue) until the monitor for the message queue has been stopped.

To stop a message monitor, select menu option #2. When you do, the following prompt screen will be displayed:
Fill in the parameters as follows:

Message que to be monitored	Enter the name of the message queue where you want monitor activity to be stopped.
Message que library	Enter the name of the library where the message queue exists. If you leave this parameter blank, the system will check all libraries in your current library list as if you had coded this with *LIBL.
Notify on shutdown?	Choose one of the following values:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
End WebReport/i Msg Monitor (ENDMSGMON)
Type choices, press Enter.
Message que to be monitored . . Queue name
Message que library . . . . . Library name, *LIBL
Notify on shutdown? . . . . . *NOTIFY *NOTIFY, *NONOTIFY
Bottom
F3=Exit F4=Prompt F5=Refresh F12=Cancel F13=How to use this display
F24=More keys
MA e 05/037
I902 - Session successfully started
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***NOTIFY**	An email message will be sent to the notification ELIST when the monitor function ends.
***NONOTIFY**	No email notification message will be sent.

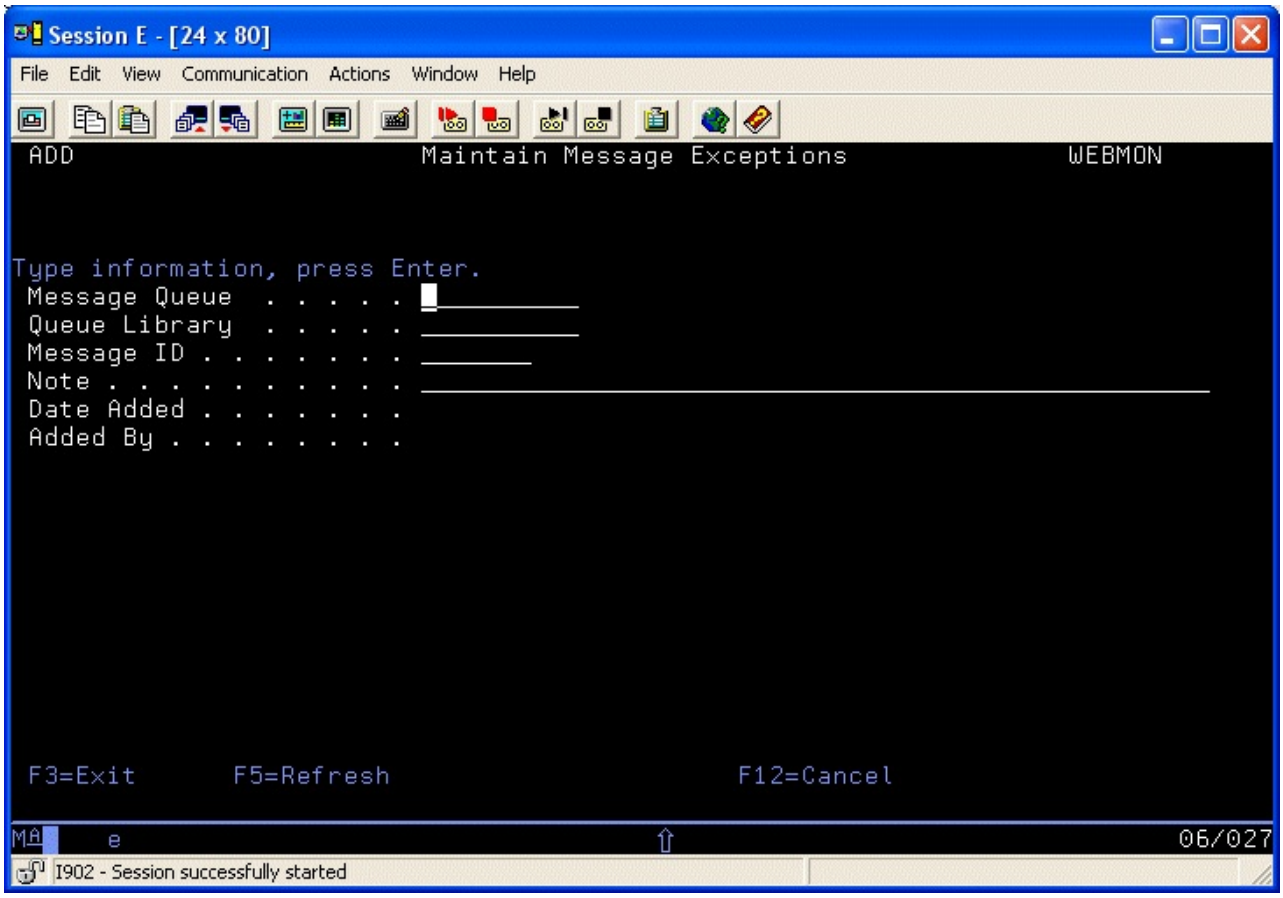
When ready, press ENTER and the message monitor function that is active for the named message queue will be ended.

To check for active message monitor activity, run option #3 on the Monitor menu. This will display the EREPORT subsystem along with all active tasks. If you have automatic report routing active, you will see an active job named WEBRTR. All other active jobs will be for message monitor tasks.

You can also enter specific message IDs that you want the message queue monitor to ignore. You might use this for things like printer forms changes or out of forms messages which are typically just handled locally by your operations room staff.

To work with these message monitor exceptions, run option #4 from the MSGMON menu. When you start this option, a list of any currently specified exception message IDs will be displayed. To create a new exception, use the F6 key.

When you enter a new message queue monitor exception, the following add screen is displayed:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
ADD Maintain Message Exceptions WEBMON
Type information, press Enter.
Message Queue . . . . . _
Queue Library . . . . . _
Message ID . . . . . _
Note . . . . . _
Date Added . . . . . .
Added By . . . . . .
F3=Exit F5=Refresh F12=Cancel
MA e 06/027
I902 - Session successfully started

Enter the fields as follows:

Message Queue	Enter the message queue that you will be monitoring
Queue Library	Enter the name of the library where the mssage queue resides. Note: If you start your message monitor process using the *LIBL value, you MUST also specify *LIBL at this point.
Message ID	Enter the 7 character message ID that you want the message monitor function to ignore. For example, if you want to ignore forms change messages for a printer, use the value CPA3394.
Note	Enter your own free format note information for future reference.

Once the fields have been completed, press ENTER twice to post the new entry to your table. The display will return to show you the entire table contents.

If you want to delete an entry in the table, use the 4 option next to it. If you want to change the note information, use the 2 option.

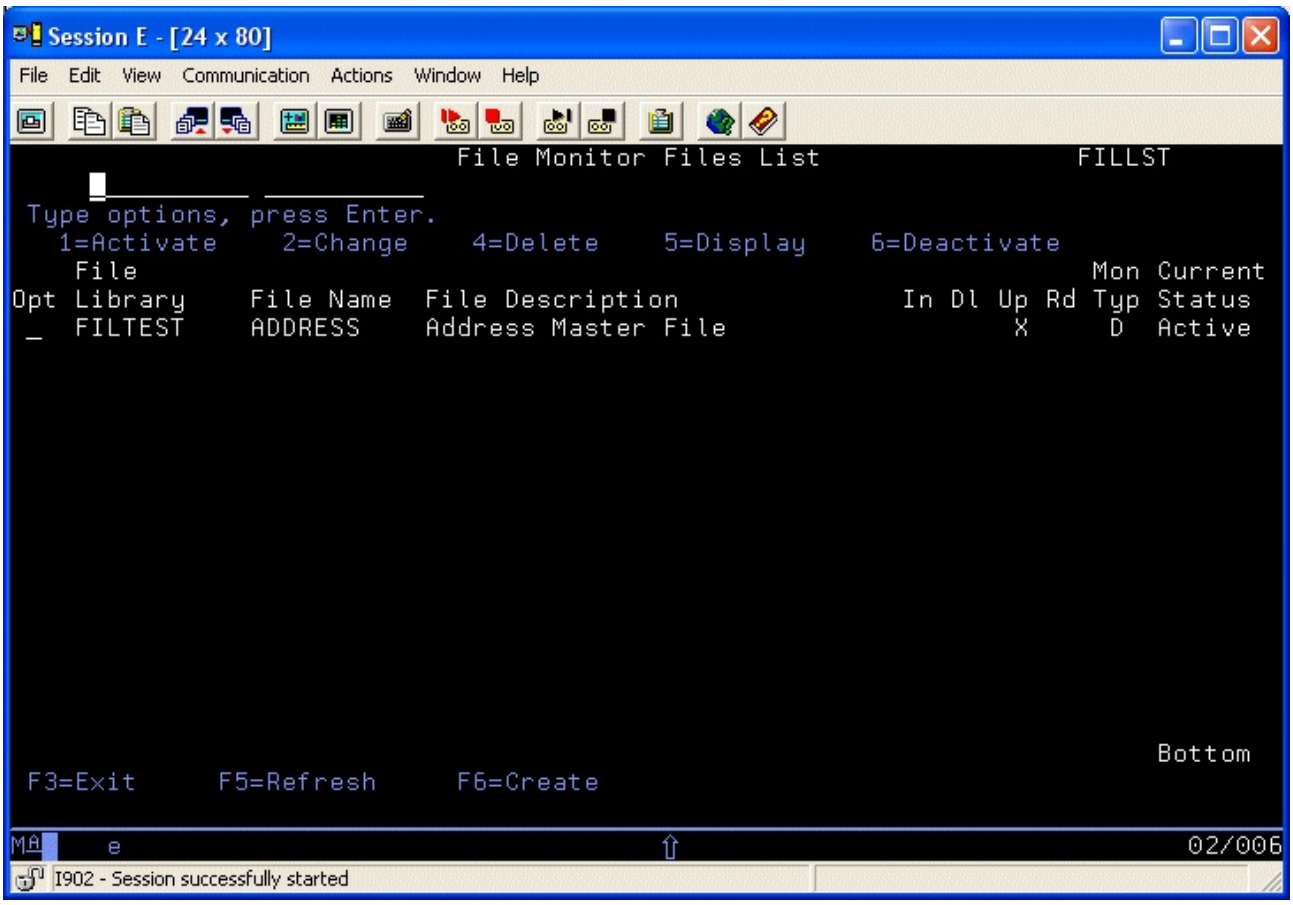
Once an entry has been added, whenever the monitored queue receives a message with that message ID, it will be ignored.

File Monitors

WebReport/i has the ability to monitor (or watch) a specific database file on your system and automatically notify you via email about certain file events that happen with that file. This works on IBM i/OS database files in any library on your system. WebReport/i can monitor for record updates, record deletions, record adds or even just for someone reading a record. When one of these events happens on the selected file, an email is sent with notification of the event. WebReport/i can with report to you for every event on the file (a detail monitor) or send you periodic summaries of events (a summary monitor).

To control how the file monitors work, select option #6 from the Monitor menu. The following screen will be displayed:

From this screen, you can review file monitors that are already set up and make changes to them as


Session E - [24 x 80]
File Edit View Communication Actions Window Help
File Monitor Files List FILLST
Type options, press Enter.
1=Activate 2=Change 4=Delete 5=Display 6=Deactivate
File Mon Current
Opt Library File Name File Description In Dl Up Rd Typ Status
FILTEST ADDRESS Address Master File X D Active
Bottom
F3=Exit F5=Refresh F6=Create
02/006
I902 - Session successfully started

well as add new file monitor tasks. To work with existing file monitors, choose one of the following options and key it in the "Opt" column in the left margin of the screen:

1 A file monitor will only work if its current status is showing as "Active" on the right side of this screen. To activate an inactive monitor, use this option.

2 To change the settings for a file monitor, it must be inactive. Settings for active file monitors cannot be made. Once the monitor is inactive, use this option to make any changes you want in the way the monitor is set up.

4 To delete a file monitor, it must be inactive. Use this option to delete a monitor.

5 To view the setup for a file monitor, use this option.

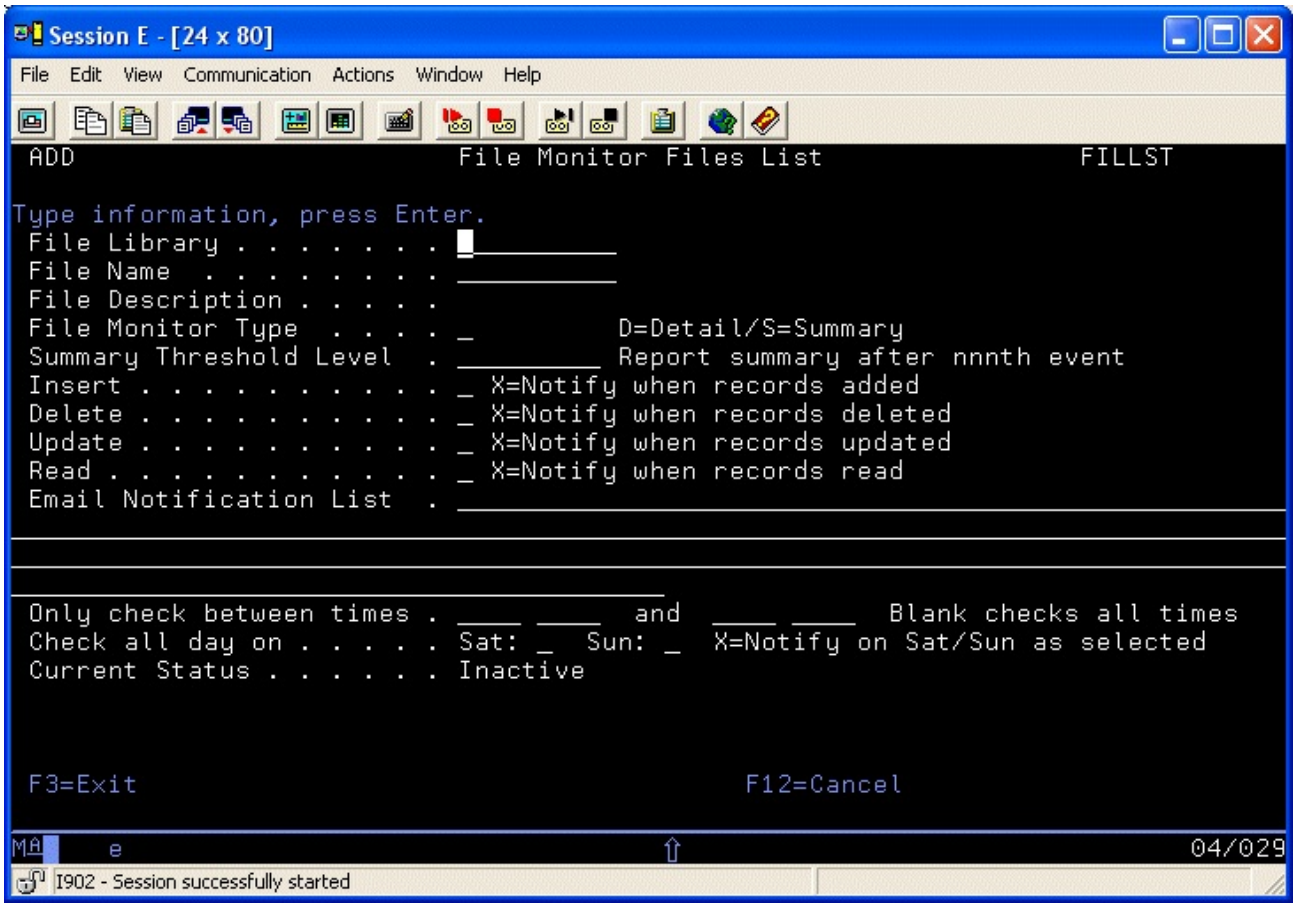
6 To deactivate an active file monitor, use this option.

To create a new file monitor, press the F6 key. When you do, the following file monitor detail screen will be displayed:

Fill in the fields for your file monitor as follows:

File Library Enter the name of the library where you file is located.

File Name Enter the name of the file that you want to monitor.


Session E - [24 x 80]
File Edit View Communication Actions Window Help
ADD File Monitor Files List FILLST
Type information, press Enter.
File Library . . . . . _
File Name . . . . . _
File Description . . . . .
File Monitor Type . . . . _ D=Detail/S=Summary
Summary Threshold Level . _ Report summary after nnnth event
Insert . . . . . _ X=Notify when records added
Delete . . . . . _ X=Notify when records deleted
Update . . . . . _ X=Notify when records updated
Read . . . . . _ X=Notify when records read
Email Notification List . _
Only check between times . ____ ____ and ____ ____ Blank checks all times
Check all day on . . . . . Sat: _ Sun: _ X=Notify on Sat/Sun as selected
Current Status . . . . . Inactive
F3=Exit F12=Cancel
MA e 04/029
I902 - Session successfully started

File Monitor Type	This can be set to one of these two values: D - A detail file monitor will be set S - A summary file monitor will be set
Summary Threshold Level	This value can only be used when you are configuring a summary monitor. Enter the number of events you want to occur before a notification email is sent. For example, if you only want to know activity after every 20 events, then enter the number 20.
Insert	If you want to be notified when records are added to the file, type an X in this field.
Delete	If you want to be notified when records are deleted from the file, type an X in this field.
Update	If you want to be notified when records are Updated in the file, type an X in this field.
Read	If you want to be notified when records are read from the file, type an X in this field. **WARNING - using the read option could have serious side effects if a program is started that will read through the contents of the file. In detail mode, you will receive an email for every record read. If the file is large, it could easily result in a slowdown on your computer system. Use this option with great caution! If required, consider using the summary mode with a high threshold value.**
Email Notification List	Enter the email address or addresses that you want notified when the file monitor conditions are met. You can code either a WebReport/i address book abbreviation or a full email address. If you want to specify multiple addresses, they must be separated by a semi-colon character (';') with no spaces.
Only check between times	If you only want to monitor file activity during a certain time of day (for example, during off hours), then you can specify here the from and to time ranges where you want WebReport/i to watch the file. Only events that occur within the defined time range(s) will be reported.
Check all day on	If you are using a time of day control, you may want to extend monitor coverage during weekends. These parameters will allow you to do so.

Once a file monitor has been defined, it will not work until it has been activated. Kisco recommends that you activate it and then test it to make sure you get the results that you are expecting. **Care must be taken to make sure that you do not set a file monitor on a very active file or system problems, including degraded response time, could result.**

Installation and Configuration

Before any WebReport/i functions will work, the initial install procedure must be run. WebReport/i can be installed from media received with a shipment from Kisco Information Systems or from a download file obtained from the Internet. If you received a direct shipment from Kisco, use the *Installation from Media* instructions. If you downloaded a file from the Internet, use the *Installation from Internet* instructions. Both sets of instructions will result in the installation of WebReport/i PDF. If, after you have evaluated the software, you prefer to purchase just the basic WebReport/i product, contact Kisco Information Systems and we will send you instructions to reconfigure your software.

Installation from Media

You can install WebReport/i by following these easy instructions:

1. Sign on using the QSECOFR user profile or from another user profile that has *SECOFR authority. If a non-conforming profile is used, the installation will abort.

2. Create the new special user profile, WEBREPTUSR, using the following command:

   ```
   CRTUSRPRF USRPRF(WEBREPTUSR) PASSWORD(*NONE) PWDEXP(*NO)
   USRCLS(*SECOFR) ASTLVL(*SYSVAL) INLMNU(WEBREPORT/MASTER)
   TEXT('WebReport/i Ownership User - DO NOT DELETE')
   ```

   Note: This profile will be the owner of all objects in the WebReport/i application library. Using this exact command will result in a user profile that cannot be used for logon purposes since no password has been assigned.

3. Use the WRKDIRE command on your system and create an entry (option #1 on the first line) for user WEBREPTU. The Address field should be set to your system name. When the full screen is displayed, specify the user profile WEBREPTUSR and then take all of the default entries. This new profile must be enrolled in the system directory before you load this new version.

4. Check the following system values. They should be set as indicated here. If they are not, note the current settings then change them to these settings:

   ```
   QALWOBJRST - *ALL
   QVFYOBJRST - value 3 or lower
   QFRCCVNRST - value 0
   ```

5. Place the installation CD in your system's CD reader and key the following command:

   LODRUN DEV(xxxx)

   where xxxx is the name of your CD drive (normally "OPT01").

6. During installation, WebReport/i does the following:

   - Checks to see if this is a new install or an update install.
   - For update installs, the old WebReport/i program library is saved in library WEBREPOLD and history information is transferred to the newly installed library.

- For new installs, the software is initialized for the free 30 days trial period.
- Additional documentation is printed which covers topics that have been added or changed since this user documentation manual was last printed.

7. During installation, the WEBSET procedure is automatically run to make sure that certain parameters are set correctly right away. Check the section of this manual titled "Update WebReport Default Settings" for the WEBSET command and details on how to complete this procedure. The iSeries HELP key can also be used.

8. When the command finishes, the WebReport/i Master Menu will be displayed.

9. If you changed any system values at step #3, reset them back to their original values now.

When the procedure finishes, your copy of WebReport/i will be successfully installed for your thirty day trial period. At the end of the trial period, WebReport/i will cease functioning until either an extension password or a permanent password is entered. The additional documentation printed during the installation covers features and functions that have been added or changed since your copy of the manual was last updated. Before using WebReport/i, please review this manual and the additional documentation in detail.

If you upgraded from an earlier release of WebReport/i, you may delete the library named WEBREPTOLD created during the installation after you are certain that the new release is working to your satisfaction. Kisco recommends keeping the WEBREPTOLD library on your system for a period of at least two weeks.

Release Upgrade Installation

When Kisco Information Systems completes work on a new Release of WebReport/i, you will be notified of the availability for the new release. New releases can be shipped on install media or distributed via the Internet using a website download.

To install an upgrade from media received from Kisco Information Systems, follow the instructions provided along with the upgrade install media. For upgrades from website download, use the instructions at the website.

If you have WebReport/i PDF installed, the new installation will be for the PDF version. If you have the basic WebReport/i installed, it will be active following the install. If you want to upgrade to WebReport/i PDF at this time, contact Kisco Information Systems for instructions and upgrade charges.

Installation from Internet

We recommend that you use the install instructions from the WebReport/i Download web page. After you download the install file from the website, please print the Download page and use it for reference while completing the installation.

Configuration Considerations

As stated in the introduction section of this manual, WebReport/i assumes that you have a number of functions defined and working. As stated earlier, these include:

- A working TCP/IP environment on the iSeries.
- An active SMTP (Simple Mail Transport Protocol) server function running on the iSeries (for use of the E-mail features in WebReport/i only).
- A working E-mail server. This may be on the iSeries or an external mail server. For Internet destination E-mail addresses, the mail server must be connected to the Internet.

When WebReport/i was first released, few installations had a good working TCP/IP environment as described above. Since then, most installations have embraced this environment and have set up most, if not all, of the required configuration elements. If you have a working TCP/IP environment for your installation, you may not need any additional configuration work at this time. If this is the case, Kisco Information Systems recommends that you start working with WebReport/i after a review of the configuration requirements but before you make any configuration changes. You may find that you have no need for any configuration changes.

If you are installing WebReport/i for the first time and are not sure about the configuration requirements, we recommend that you look at the WebReport/i **Configuration Wizard**. This feature is documented in the following pages.

If you do not have TCP/IP up and working yet, IBM has a very good “Quick Start” guide that should have come with your system. The guide is titled *TCP/IP Fastpath Setup* and is publication number SC41-3430-0. This booklet will give you a brief overview of TCP/IP and its use and configuration on the iSeries.

If you received your WebReport/i software from Kisco Information Systems on a CD, you will find a helpful PowerPoint presentation on the CD that steps you through all of the configuration considerations. If you got your software from an Internet download, this same PowerPoint presentation is also available via download from the same web page.

WebReport/i E-mail functions work with the SMTP server on your iSeries. When configuring the various TCP/IP functions and applications, be sure that you set up SMTP so that it is active on your system.

WebReport/i requires that everyone who uses the product to either send reports as E-mail or store reports for local deployment be registered in the system directory. To make implementation of the product easier, we have added an optional feature that allows WebReport/i to automatically enroll anyone that uses it the first time they use the product. This optional setting is pre-set when we ship the product to you to *YES.

You can turn this feature off from the INSTALL menu. Use option #9 and change the "System Directory Auto Enroll?" setting from *YES to *NO. Remember, however, that users will still have to be enrolled. Also, this option does NOT enroll the special IBM user profiles that need to be enrolled before you start using the product.

Once you have TCP/IP configured and working, you may want to make certain that it always gets properly started following an IPL. You may want to include the following command sequence in your QSTRUP program which runs following every IPL operation:

STRTCP (starts TCP/IP processing)

STRHOSTSVR *ALL (starts all host server functions)

SMTP is the only TCP/IP server application that WebReport/i uses. You do not need to start SNADS (the QSNADS subsystem) or the POP3 server for WebReport/i to work. If you use those applications, they will not conflict with WebReport/i, but you do not need to activate them to support WebReport/i. Note: Earlier versions of WebReport/i also used the Mail Server Framework (MSF) function, but as of Release 7, this is no longer a requirement.

You may find it helpful to copy the various commands for WebReport/i into a system library on your system so that they can always be easily called from a command line. We recommend that you do this for the following commands:

EREPORT - Sending reports as Email
ENDWEBRTR - Stop the automatic router
STRWEBRTR - Start the automatic router
WREPORT - Converting reports to HTML
WRKWEBSPLF - Work with WebReport/i Spool Files and Functions

These commands can be copied to the library named QUSRSYS on your iSeries. Use the IBM command CRTDUPOBJ to make the copies. When you install an upgrade that you have received from Kisco Information Systems, you should make new copies of these commands to make sure that your parameters are compatible.

Considerations for using Internet Addresses

Before sending any email messages to direct internet addresses, there are three additional configuration steps that you need to take care of. (Note: If you use the WebReport/i Configuration Wizard, this is taken care of for you when that feature is run.)

These must be done by someone with *SECADM authority on your system. Check with your security officer first.

Step 1: You must create a special user profile on your system that will be used by IBM i/OS as a “pointer” to your E-mail server. We recommend that you create a user profile named GATEWAY. This profile can be setup as a standard user with default information specified.

Step 2: Create a directory entry for the GATEWAY user profile using the WRKDIRE command. You must specify the following specific fields when creating the directory entry. If a field is not included in this list, you can use the default value:

System name/Group - Enter TCPIP
Mail service level - Enter ‘2' for “System message store”
Preferred Address - Enter ‘9' for “Other preferred address”
Address Type - Press F4 and select ATCONTXT
Field name - NETUSRID - *IBM (immediately following Address Type)

Step 3: Type in the following command and press F4: **CHGDSTA**

When the screen is displayed, change the two fields in the "Route to SMTP gateway" to show the GATEWAY user profile and location that was established in Step 2.

This configuration, when completed, will allow you to use Internet Addresses when sending reports as E-mail with WebReport/i. **Note:** If you use the Configuration Wizard feature, this is taken care of for you during that process.

Control over ASCII Conversion

Customers using WebReport/i to send spool files as *TXT attachments have periodically requested better control over the EBCDIC to ASCII conversion processing in WebReport/i.

WebReport/i gives you control over the following parameters on the CPYTOSTMF command when a *TXT or *RTF spool file conversion is processed.

DBFCCSID
STMFCODPAG
CVTDTA
TBL

Control is implemented by allowing you to store default settings in the CONTROL and the new CONTROL2 data areas in the WEBREPORT library as follows:

In the data area named CONTROL:

DBFCCSID in positions 178-187
STMFCODPAG in positions 188-198

In the data area named CONTROL2:

CVTDTA in positions 1-5
TBL in positions 6-105

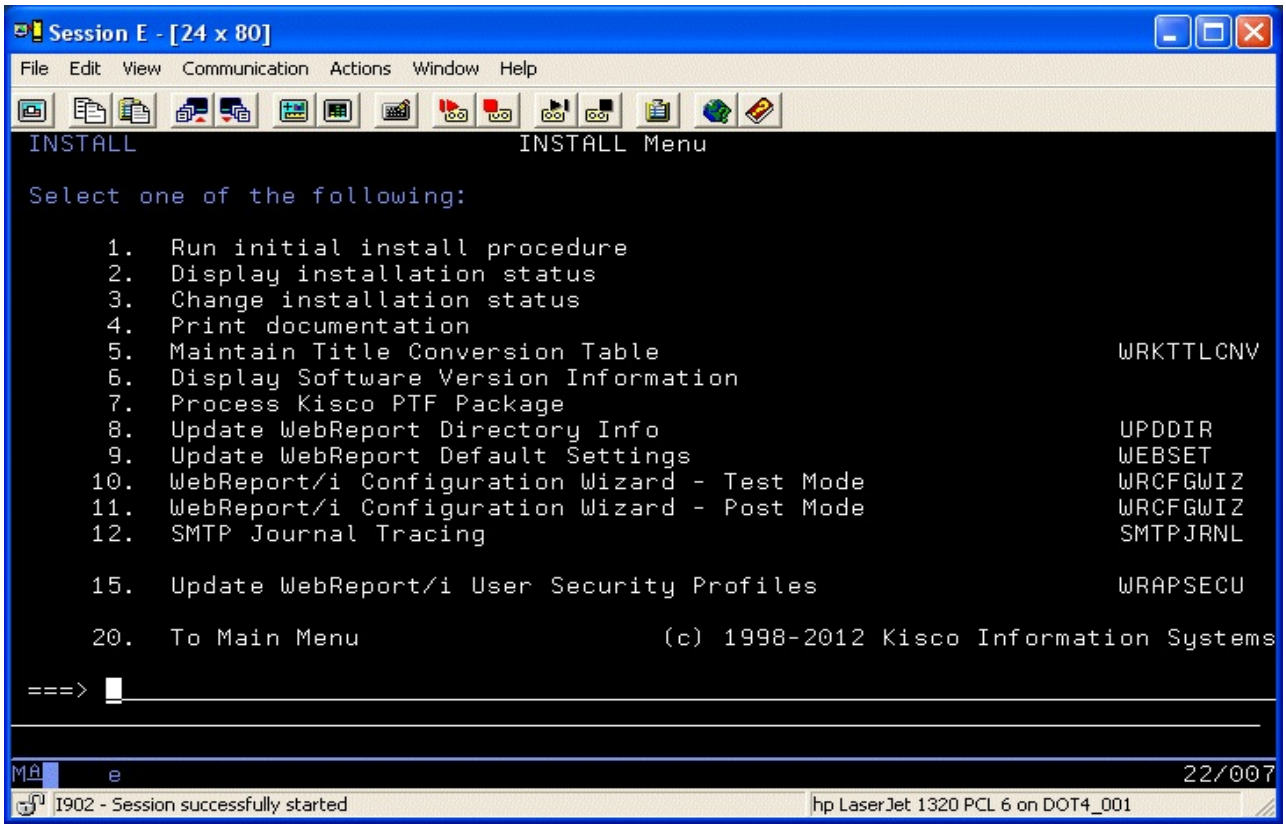
If you leave the data areas blank, the following defaults are assumed:

DBFCCSID defaults to '37 '
STMFCODPAG defaults to '437 '
CVTDTA defaults to '*AUTO'
TBL defaults to blanks

Changes to the data areas must be made carefully using the CHGDTAARA command. WebReport/i does not do any parameter editing, so it is the customer's responsibility to use a valid combination of parameters.

The Install Menu

When you select item 30 from the main menu, the installation menu is displayed as follows: Menu items perform the following functions. Each function is discussed in greater detail later in


Session E - [24 x 80]
File Edit View Communication Actions Window Help
INSTALL INSTALL Menu
Select one of the following:
1. Run initial install procedure
2. Display installation status
3. Change installation status
4. Print documentation
5. Maintain Title Conversion Table WRKTTLCNV
6. Display Software Version Information
7. Process Kisco PTF Package
8. Update WebReport Directory Info UPDDIR
9. Update WebReport Default Settings WEBSET
10. WebReport/i Configuration Wizard - Test Mode WRCFGWIZ
11. WebReport/i Configuration Wizard - Post Mode WRCFGWIZ
12. SMTP Journal Tracing SMTPJRNL
15. Update WebReport/i User Security Profiles WRAPSECU
20. To Main Menu (c) 1998-2012 Kisco Information Systems
===>
MA e 22/007
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

this document:

1. Run initial install procedure - Do not use this option unless directed to do so by Kisco Support staff. This option is automatically run during normal install processing.

2. Display installation status - Displays a screen showing the current installation status for the software.

3. Change installation status - Displays the current software installation status and allows for changes to be made.

4. Print documentation - Prints this documentation manual to the default print device.

5. Maintain Title Conversion Table - Updates this table used during email processing

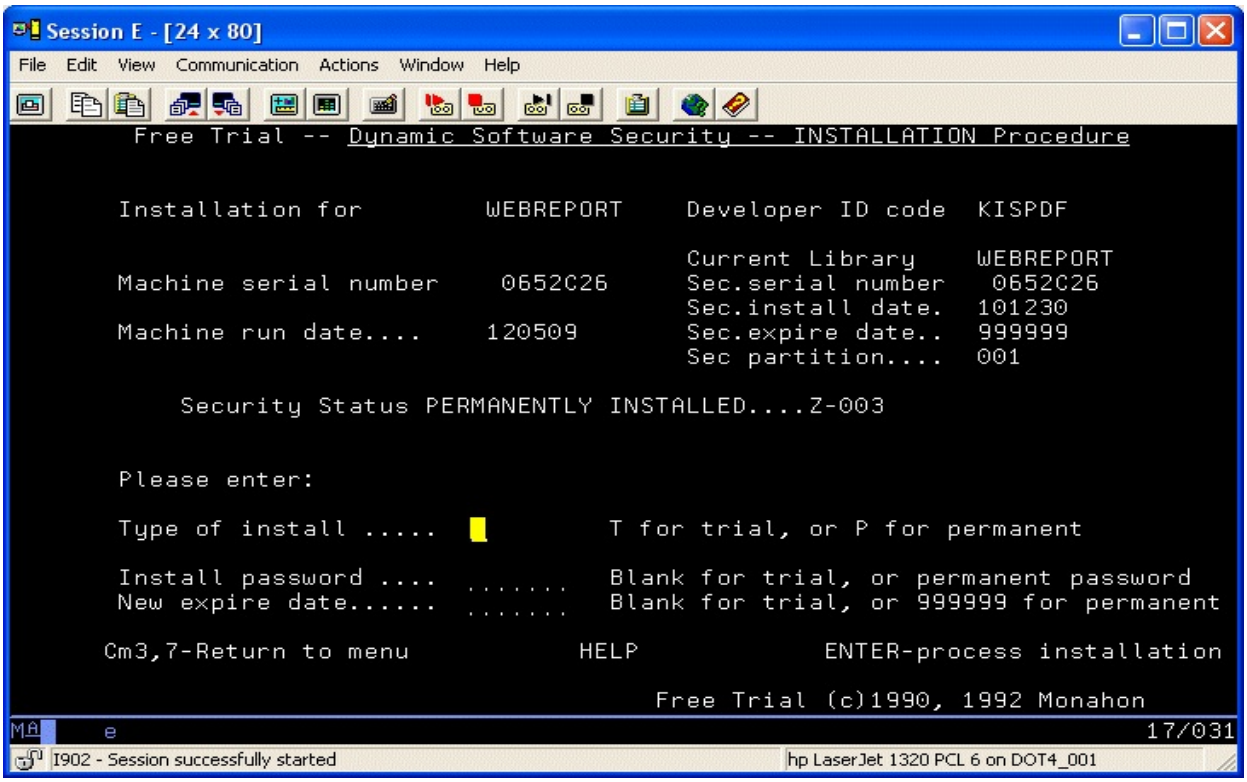
6. Display Software Version - Displays information about the specific version of WebReport/i that is installed on your system.

7. Install Kisco PTF package - Allows you to process a corrective PTF package received from Kisco for program fixes.

8. Update WebReport Directory -	Used to manually change system directory information stored in WebReport/i.
9. Update WebReport Default - Settings	Used to update default settings for WebReport/i
10. Configuration Wizard - Test -	Runs the WebReport/i Configuration Wizard in test mode.
11. Configuration Wizard - Post -	Runs the WebReport/i Configuration Wizard in posting mode.
12. SMTP Journal Tracing	Helps with email problem diagnostics by starting, stopping and viewing journal tracing of the IBM i/OS SMTP server.
15. WebReport/i User Security -	When optional user profile security is active, this option is used to maintain the list of user profiles that are permitted to use WebReport/i.
20. To Main Menu -	Will display the WebReport/i main menu.

Display installation status

At any time, you can check the current installation status of your copy of WebReport/i by selecting this menu option. You must be signed on with security authority of QSECOFR or equivalent. The following screen will be displayed:
The message at the center of the screen indicates your current installation status. You should also check the Sec. expire date for an expired trial period. WebReport/i may still show as installed on a


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Free Trial -- Dynamic Software Security -- INSTALLATION Procedure
Installation for WEBREPORT
Developer ID code KISPDF
Current Library WEBREPORT
Machine serial number 0652C26
Sec.serial number 0652C26
Sec.install date. 101230
Machine run date.... 120509
Sec.expire date.. 999999
Sec partition.... 001
Security Status PERMANENTLY INSTALLED....Z-003
Please enter:
Type of install ..... T for trial, or P for permanent
Install password .... Blank for trial, or permanent password
New expire date..... ..... Blank for trial, or 999999 for permanent
Cm3,7-Return to menu HELP ENTER-process installation
Free Trial (c)1990, 1992 Monahon
MA e 17/031
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

trial basis but, if the trial is expired, it will no longer function.

The following are the possible status messages that can appear on this display:

Message	Explanation
Z-001 NOT INSTALLED	Trial installation not started
Z-002 TRIAL EXPIRED	Trial period has ended
Z-003 PERMANENTLY INSTALLED	Software is permanently installed
Z-004 INSTALLED ON TRIAL	Software is installed on trial
Z-005 PASSWORD NOT ACCEPTED	Password keyed is not valid
Z-006 WRONG LIBRARY	Programs must run from our library
Z-007 PLEASE RUN TRIAL INSTALL	Must have trial install before perm.
Z-008 INVALID INSTALL REQUEST	Must be P or T
Z-009 INVALID SECURITY (REC#6)	Call Kisco
Z-010 INVALID SECURITY (NO ZZ)	Call Kisco
Z-011 INVALID SECURITY (HASH.)	Call Kisco

Change installation status

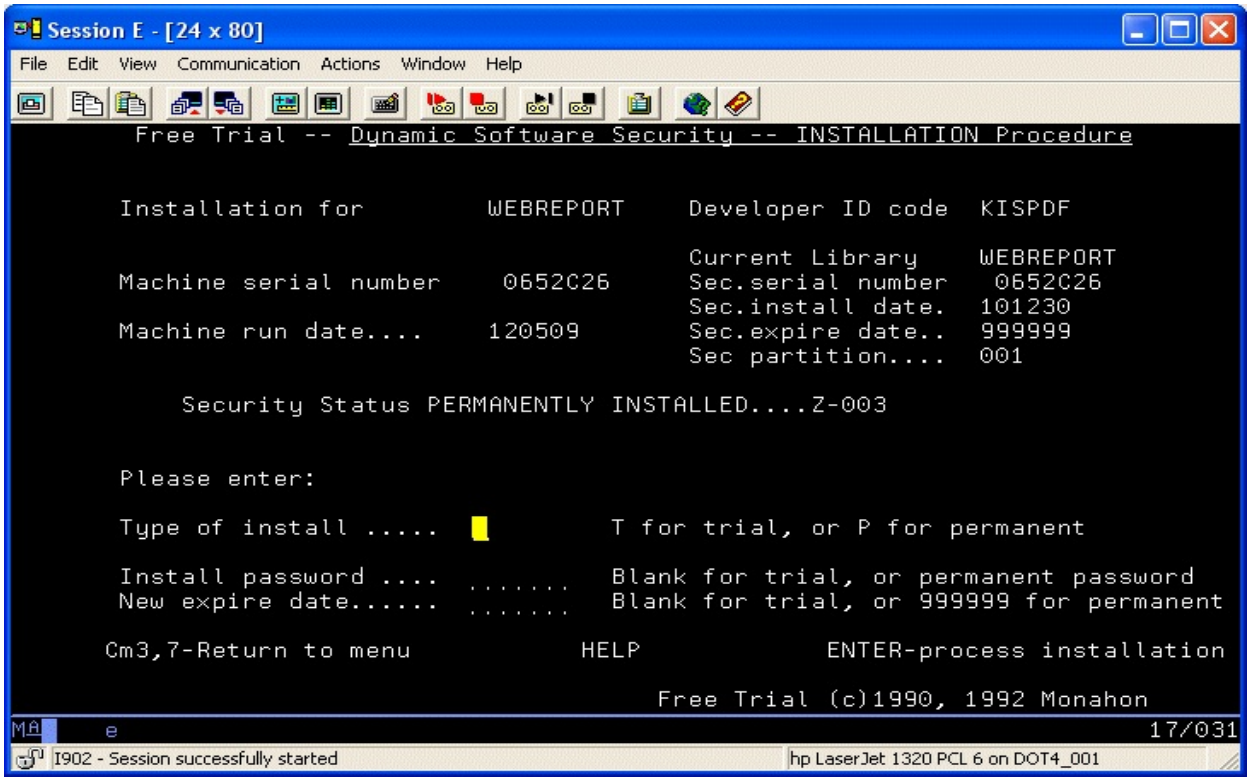
To make changes to your installation status, use this menu option. The changes processed can include both a trial period extension and permanent installation. You must be signed on with

QSECOFR security authority or equivalent. When you select this option, the following screen is displayed:

Trial extension

To extend a trial period, contact Kisco Information Systems and request an extension. We will provide you with an extension password and new expiration date. On the above screen, enter the following:

Type of install	Enter 'T' for trial


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Free Trial -- Dynamic Software Security -- INSTALLATION Procedure
Installation for WEBREPORT Developer ID code KISPDF
Current Library WEBREPORT
Machine serial number 0652C26 Sec.serial number 0652C26
Sec.install date. 101230
Machine run date.... 120509 Sec.expire date.. 999999
Sec partition.... 001
Security Status PERMANENTLY INSTALLED....Z-003
Please enter:
Type of install ..... T for trial, or P for permanent
Install password .... Blank for trial, or permanent password
New expire date..... ..... Blank for trial, or 999999 for permanent
Cm3,7-Return to menu HELP ENTER-process installation
Free Trial (c)1990, 1992 Monahon
MA e 17/031
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

Install password	Enter all six digits of the extension password provided, including any leading zeros
New expire date	Enter the new expiration date in the format YYMMDD (ie: Jan 12, 2012 would be 120112)

When the parameter fields have been completed, press enter to reactivate your software.

Permanent installation

To permanently install your software package, use the permanent password provided by Kisco Information Systems following receipt of payment. On the above screen, enter the following:

Type of install	Enter 'P' for permanent
Install password	Enter all six digits of the extension password provided, including any

	leading zeros
New expire date	Enter all 9's (ie: 999999)

When the parameter fields have been completed, press enter. Your software is now permanently installed.

Print additional documentation

At any time, you can reproduce the additional documentation by using this menu option. A full copy of the additional documentation topics will be printed.

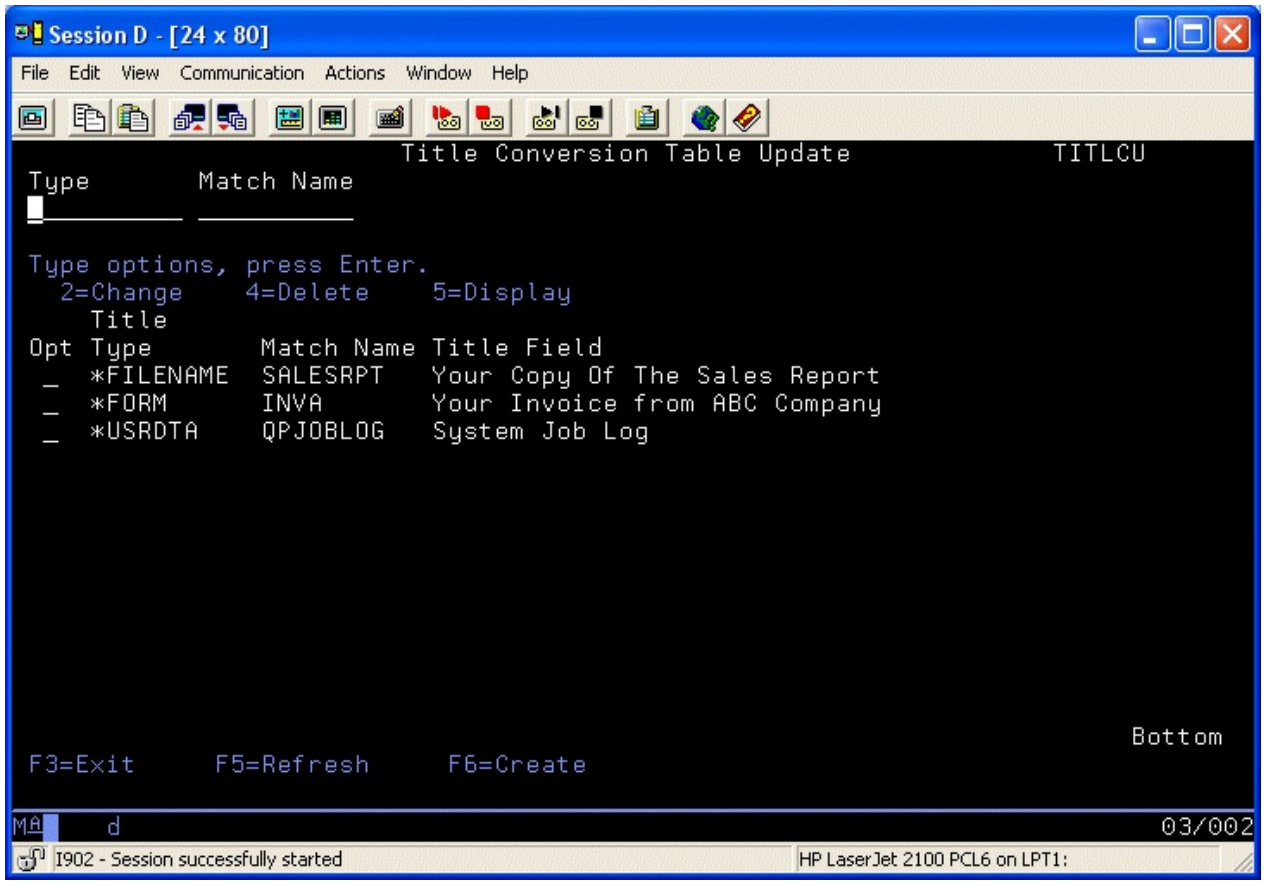
Display Software Version Information

This menu option will display the current release level and PTF information for your version of WebReport/i. The developer may need to verify this when working with you on a support issue.

Title Conversion Table Maintenance

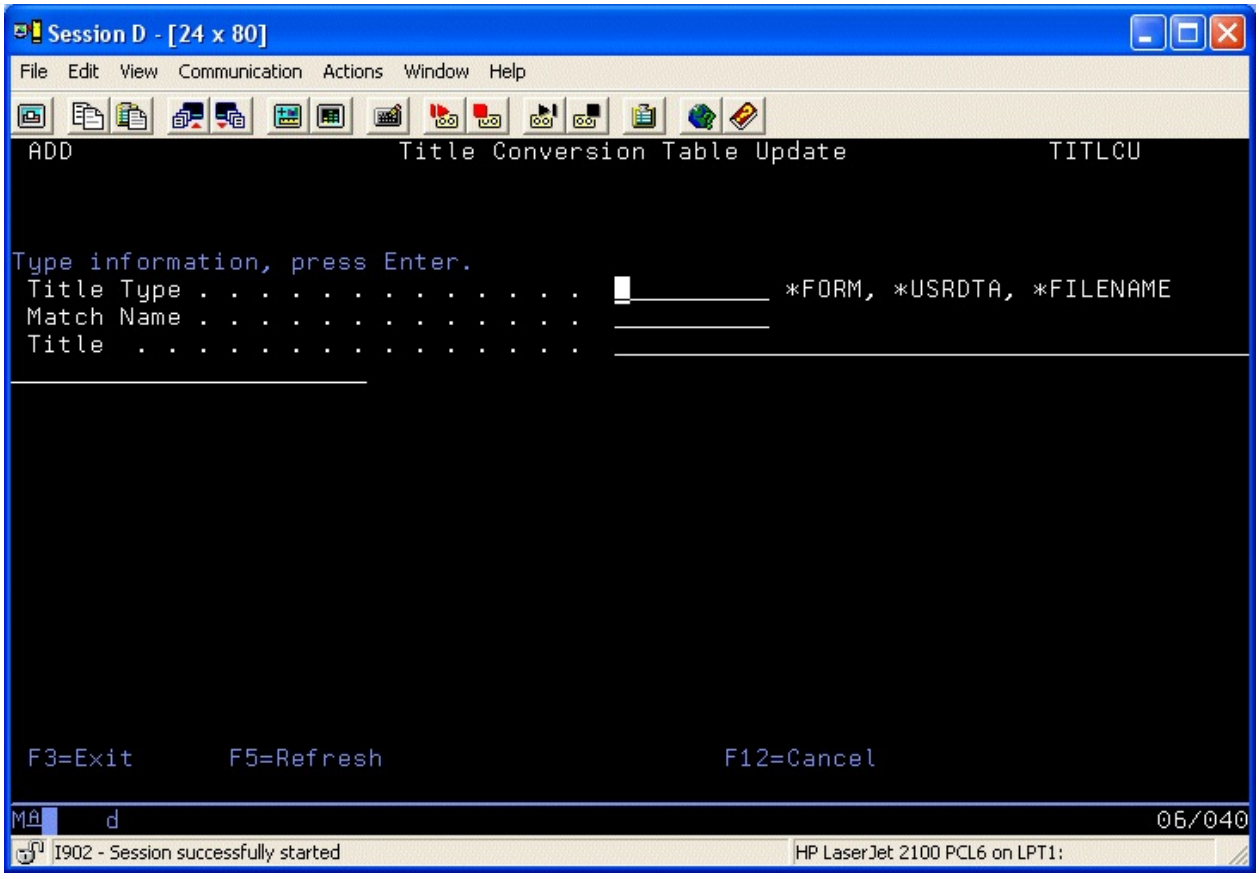
When sending reports as Email, the Email Subject (Title) can be set automatically based on several settings in the spool file. These include the form type, the user data field or the spool file name. These options are set up on the TITLE parameter of the EREPORT command (which see). If you use these options, menu option #7 on the MASTER menu is used to maintain the conversion table.

When you start the option, the following screen will be displayed:
This will show you the current entries in the table. You can use option 2 to make changes to current


Session D - [24 x 80]
File Edit View Communication Actions Window Help
Title Conversion Table Update TITLCU
Type Match Name
Type options, press Enter.
2=Change 4=Delete 5=Display
Title
Opt Type Match Name Title Field
_ *FILENAME SALESRPT Your Copy Of The Sales Report
_ *FORM INVA Your Invoice from ABC Company
_ *USRDTA QPJOBLOG System Job Log
Bottom
F3=Exit F5=Refresh F6=Create
MA d 03/002
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

entries, option 4 to delete current entries and option 5 to just display and review entries without making any changes.

To add new records to the table, press the F6 key and the display shown on the following page will be displayed.


Session D - [24 x 80]
File Edit View Communication Actions Window Help
ADD Title Conversion Table Update TITLCU
Type information, press Enter.
Title Type . . . . . *FORM, *USRDTA, *FILENAME
Match Name . . . . . .
Title . . . . . .
F3=Exit F5=Refresh F12=Cancel
MA d 06/040
I902 - Session successfully started
HP LaserJet 2100 PCL6 on LPT1:

To create your new Title Conversion Table entry, just fill in the following fields:

Title Type — Choose one of the following specific values:

***FORM** — If you want the title based on the formtype of the spool file, use this value. It corresponds to the *FRMCNV option for the TITLE parameter on the EREPORT command.

***USRDTA** — If you want the title based on the user data field of the spool file, use this value. It corresponds to the *USRCNV option for the TITLE parameter on the EREPORT command.

***FILENAME** — If you want the title based on the spool file name of the spool file, use this value. It corresponds to the *FILCNV option for the TITLE parameter on the EREPORT command.

Match Name — Enter the content value that you want to match. For *FORM entries,

	this should be the formtype you want to match in the spool file. For *USRDTA entries, this is the user data field and for *FILENAME entries, enter the spool file name here.
Title	Enter the TITLE (email subject) that you want WebReport/i to use when the correct match-up is made.

Install Kisco PTF Package

WebReport/i supports distribution of program updates remotely via the Internet. When programs in WebReport/i are updated or program fixes are required, Kisco Information Systems can send the updates directly to you via the Internet. If needed, we will send E-mail to you with an attached PC file. This file, when loaded into a folder on your system, can be used to post program updates and changes to your copy of WebReport/i.

When you receive a PTF update package from Kisco, you will be given an eight character PTF Package Name. To load and apply the PTF to your system, follow these steps:

Step# Instructions

1. Create a folder on your system named KISCO. You can do this with the following command:

   CRTFLR FLR(KISCO)

   Note: This folder only has to be created the first time you install a PTF.

2. From a PC that is attached to your system, move the PTF Package file that you received from Kisco into this folder. If you are not familiar with this process, please check the following URL at the Kisco website for specific instructions:

   http://www.kisco.com/pctoflr.htm

3. Sign on to any terminal or terminal session as QSECOFR.

4. Make sure that no WebReport/i functions are in use and that no users are logged into any WebReport/i menu.

5. Type the following command:

   WEBREPORT/KISPTF

   and press the F4 prompt key. You can also choose option #7 from the INSTALL menu.

6. The command will prompt for two values. The first is the name of the WebReport/i application library and should not be changed. The second command must contain the eight character name of the PTF Package File. When both parameters are set, press ENTER and the PTFs will be loaded and applied to your copy of WebReport/i.

7. All Kisco PTFs are loaded so that the prior version of any program objects is saved. This will allow for the effects of a PTF to be reversed at a later time should a defect be identified in the PTF. This can only be done via direct instruction from a Kisco support representative.

During the PTF installation process, one or two printouts will be created. The first of these will be the PTF Cover Letter Documentation. The second is optional and, if printed, will be a fresh update of the additional documentation topics for all WebReport/i changes. Kisco recommends that you read both documents before starting to use WebReport/i again.

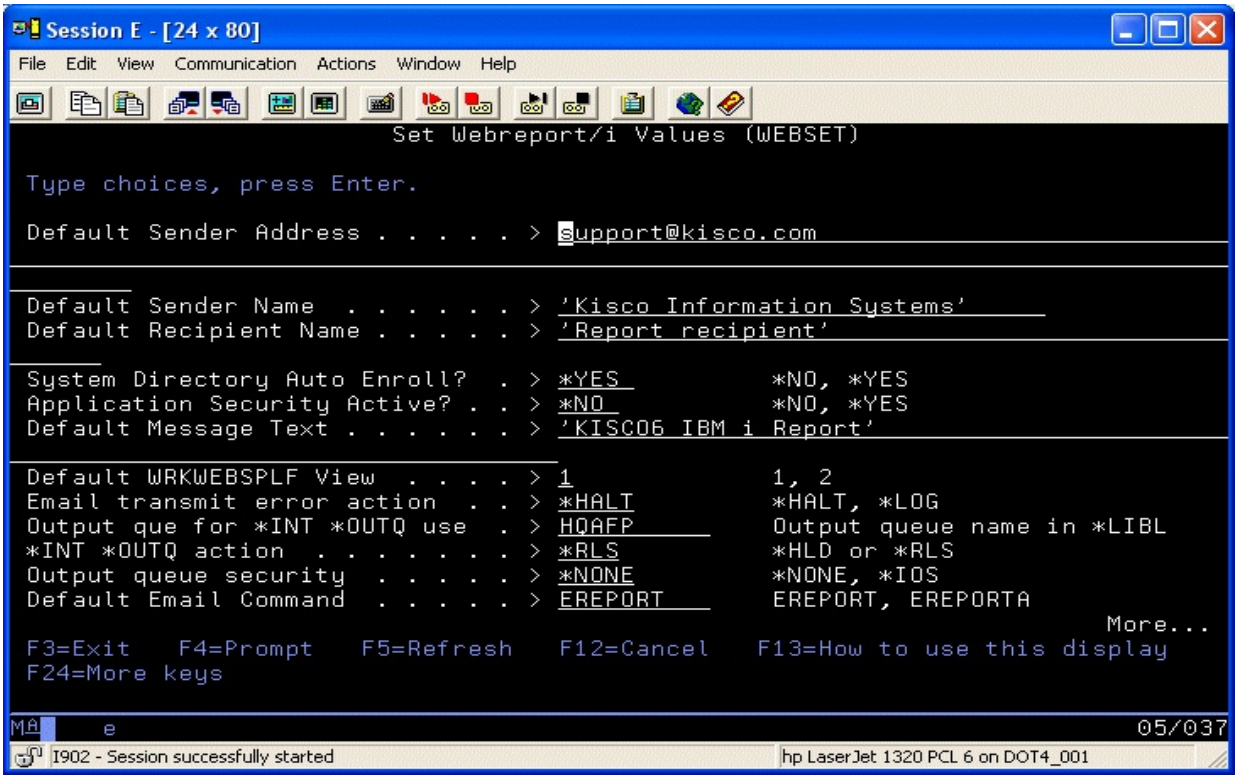
Update WebReport/i Directory Info

This menu option can be used to perform a direct update of the information stored in your system directory into WebReport/i. This update can also happen as a parameter setting in the EREPORT command. Note that you can call this function directly from your own applications by using the UPDDIR command supplied with WebReport/i. (Note: This function is only needed if you are using Email addressing based on your system directory. Normally, this is not the case, this feature is used for customers who need compatibility with earlier versions of IBM i/OS and WebReport/i.)

Update WebReport Default Settings

This option is used to define several default settings in WebReport/i. This menu option runs the WEBSET command. When you start this process, the following screen is displayed:
Complete these parameter settings as follows:

Default Sender Address — This parameter is used as the default value when sending Email to direct internet addresses. It will be used as the "Reply To" address on all Email messages sent to direct


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Set Webreport/i Values (WEBSET)
Type choices, press Enter.
Default Sender Address . . . . . > support@kisco.com
Default Sender Name . . . . . > 'Kisco Information Systems'
Default Recipient Name . . . . . > 'Report recipient'
System Directory Auto Enroll? . > *YES *NO, *YES
Application Security Active? . . > *NO *NO, *YES
Default Message Text . . . . . > 'KISCO6 IBM i Report'
Default WRKWEBSPLF View . . . . > 1 1, 2
Email transmit error action . . > *HALT *HALT, *LOG
Output que for *INT *OUTQ use . > HQAFP Output queue name in *LIBL
*INT *OUTQ action . . . . . > *RLS *HLD or *RLS
Output queue security . . . . . > *NONE *NONE, *IOS
Default Email Command . . . . . > EREPORT EREPORT, EREPORTA
More...
F3=Exit F4=Prompt F5=Refresh F12=Cancel F13=How to use this display
F24=More keys
05/037
I902 - Session successfully started
hp LaserJet 1320 PCL 6 on DOT4_001

internet addresses. A valid Email address MUST be specified here.

Default Sender Name — Enter the default name that you want associated with the sender of Email messages. (Note: Do not use any slash ('/') characters in this field.)

Default Recipient Name — Enter the default name that you want associated with the

recipient of Email messages. (Note: Do not use any slash (‘/’) characters in this field.)

System Directory Auto Enroll? — Specifies how you want WebReport/i to handle users that are not enrolled in the system directory. Certain functions within WebReport/i use the Integrated File System (IFS). IBM i/OS requires that a user be enrolled in the system directory before the IFS can be used. Choose one of the following values:

- ***YES** If a user attempts to use WebReport/i and they are not enrolled in the system directory, WebReport/i will automatically enroll them. We recommend that you use this setting.
- ***NO** If a user is not enrolled in the system directory, WebReport/i will generate an error and the WebReport/i function will fail.

Application Security Active? — Specifies whether you want to use WebReport/i's optional built-in user profile security. Choose one of the following values:

- ***NO** No security checking will be done by WebReport/i and any user profile on your system will be allowed to use the product.
- ***YES** WebReport/i user profile security is active. To use the product, a user profile must be enrolled using option #15 on the INSTALL menu.

Default Message Text — Enter the default value you want to use when the *DFT parameter is used for your optional email message text.

Default WRKWEBSPLF View — Controls the starting view used when the WRKWEBSPLF command is issued. Choose the value you prefer.

Email transmit error action — Used to describe how you want WebReport/i to handle Email transmission errors encountered in the actual TCP/IP send routine. Choose one of the two following options:

- ***HALT** This is the recommended setting. You should use this setting when you are setting up and configuring WebReport/i email. When set to this value, transmission errors will halt with error diagnostic information issued.
- ***LOG** You should only consider switching to the *LOG option after discussing this with Kisco support staff. When set to *LOG, transmission errors will be logged to the WebReport/i activity log and processing will continue with the next message. This setting is **NOT** recommended.

Output que for *INT *OUTQ use

When you use the email destination *INT to route a report to a variety of destinations (email, fax, etc), one of the options is *OUTQ in the #EMAIL output directive statement. When you specify this, WebReport/i will use the output queue specified here and the final destination for the selected report segment. The output queue entered here must be accessible from the *LIBL library list.

*INT *OUTQ action

When you use the special #EMAIL output directive (see above) of *OUTQ, this setting controls whether the specified report segment(s) will arrive at the output queue on hold or released.

Choose one of the following values:

*HLD - The report segment will be placed in the output queue on hold.

*RLS - The report segment will be placed in the output queue in ready status available for immediate printing.

Output queue security

This setting controls how you want WebReport/i to enforce IBM i/OS security on the output queues used by the software. Choose one of the following values:

*NONE — This is the default value and represents how WebReport/i enforced output queue security before this parameter option was added. With this set to *NONE, no i/OS security setup is observed and every user will have open access to every output queue.

*IOS — Changing this value to *IOS will cause WebReport/i to honor the output queue security configuration already set up on your system. WebReport/i users will only have access to the output queues that the IBM OS security grants to them.

Default Email Command

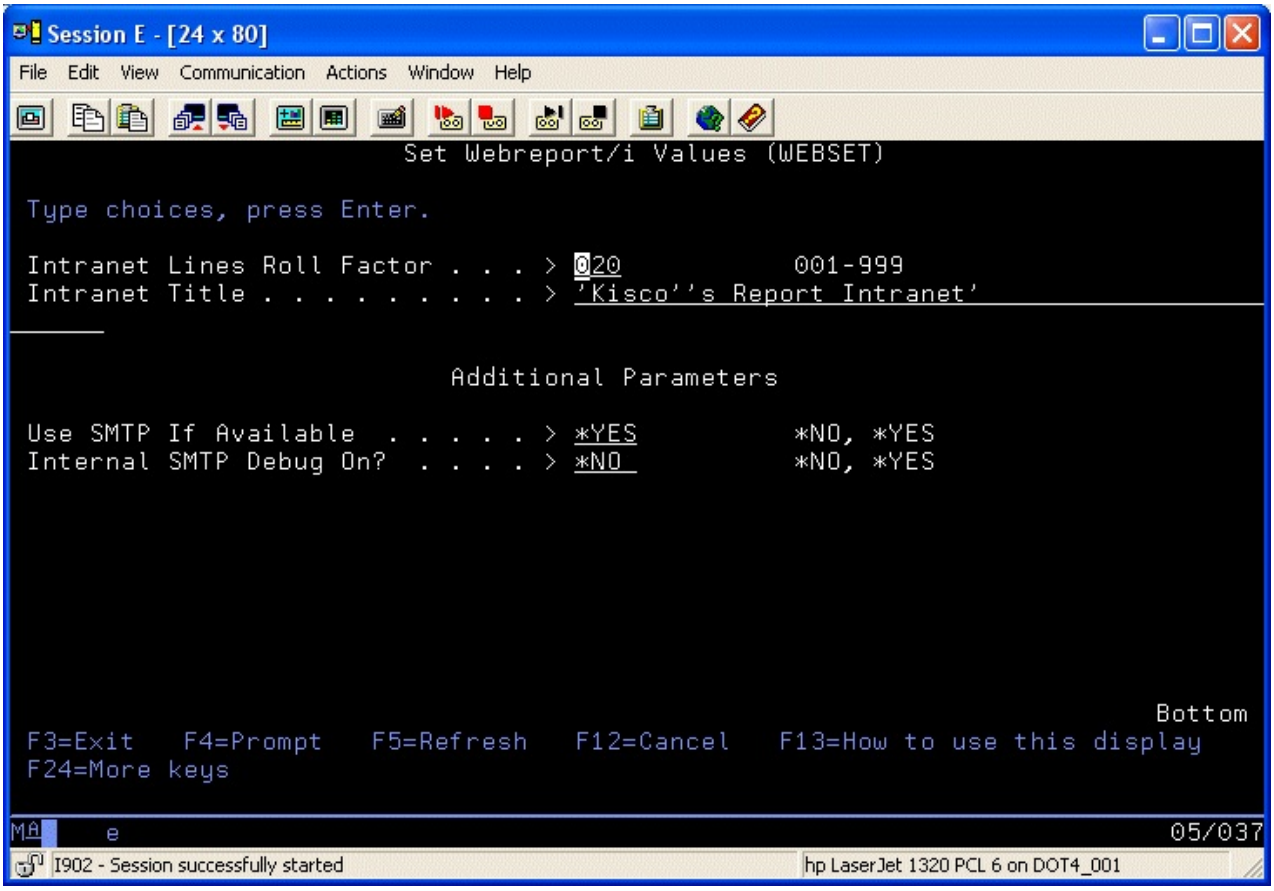
This setting controls which command format will be used when sending email from the WRKWEBSPLF process (option #4 on the MASTER menu).

Choose one the following values:

EREPORT — The standard EREPORT command format will be used.

EREPORTA — The alternate EREPORTA command format will be used.

Additional setup parameters are available when you then roll up to the following display:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
Set Webreport/i Values (WEBSET)
Type choices, press Enter.
Intranet Lines Roll Factor . . . > 020 001-999
Intranet Title . . . . . > 'Kisco''s Report Intranet'
Additional Parameters
Use SMTP If Available . . . . . > *YES *NO, *YES
Internal SMTP Debug On? . . . . > *NO *NO, *YES
Bottom
F3=Exit F4=Prompt F5=Refresh F12=Cancel F13=How to use this display
F24=More keys
05/037
I902 - Session successfully started
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Fill in these additional parameters:

Intranet Lines Roll Factor	Controls the number of detail lines that are presented on each Report Intranet panel in your browser session. A default value of 20 is shipped with the software. Make sure that you enter all three characters as numerics.
Intranet Title	This field is displayed as a heading when the reports in the Report Intranet are shown to your users.
Use SMTP If Available	Choose one of the following values: ***YES** When specifying destination addresses from the system directory, use the SMTP equivalent if it is available. ***NO** When specifying destination addresses from the system directory, do not use the SMTP address. This option is available for backwards compatibility with outbound Email transmissions. Using the *NO option will force WebReport/i to send Email to system directory destinations using the method from Release 2 and

earlier of WebReport/i.

Internal SMTP Debug On? Choose one of the following values:

***NO** The recommended default value. No special SMTP trace reports will be generated when sending reports as Email attachments.

***YES** When set to *YES, a short print spool file named QPRINT will be created every time a report is sent as an Email attachment. You can use this when debugging configuration problems.

WebReport/i Configuration Wizard

WebReport/i includes a configuration utility that will walk you through the configuration requirements in IBM i/OS. Using the Configuration Wizard, we do most of the work for you.

Important Note: If you have just installed WebReport/i and have already been using your system to send email messages, Kisco recommends that you not run the Configuration Wizard until such time as you have already tried the email functions in WebReport/i. Most systems are already configured sufficiently for email processing and running the Wizard could change settings on your system adversely. If you are unsure about this, we recommend that you contact our support staff before you proceed.

If you decide to use the Configuration Wizard, the following section describes how to use it.

The Configuration Wizard is found on the INSTALL menu where you will find two new menu options. Menu option #10 will run the Wizard in test mode and option #11 will run the Wizard in post mode. Test mode will collect the various configuration information from you and verify that it is correct and working. Post mode will re-verify the information and then do all of the required configuration work on your system.

When running the Configuration Wizard, you must be signed on with a user profile that has security officer status and is authorized to perform system I/O configuration. The Wizard will verify that a proper user profile is being used before it runs.

We recommend that you run the Configuration Wizard in test mode first. This will step you through entering the configuration elements and it will store them for all future configuration work. After everything has been entered and tested successfully, you can then perform the Configuration Wizard posting run.

Before you start, you should gather the following information:

1 The IP address of your Internet Router

This is the address of the point where your network connects to the Internet.

2 The IP address of your Mail router

This is the address of the server that processes your E-mail. It can be the same address as your iSeries, in which case the Configuration Wizard will optionally activate the POP3 server on your IBM i.

3 The IP address of your iSeries

If your iSeries is already using TCP/IP, you should already have this information in place. Go to the CFGTCP menu and run option #1 to obtain this value.

4 The Host Name and Domain Name of your iSeries

If your AS/400 is already using TCP/IP, you can get this information from your system. Go to the CFGTCP menu and run option #12 to obtain these two values.

5 The IP address of up to 3 DNS servers

You should specify at least 2 of the three addresses that are available. This information is generally available from your Internet Service Provider (ISP).

When you run the Configuration Wizard, each of the above pieces of information will be requested. As you enter each value, the Wizard will perform an edit and verification on the value supplied. If any given value fails, the Wizard will advise of the fact and stop to allow you to make corrections. Once a value has been verified and accepted, the Wizard will go on to the next value. When all values have been entered and verified, the Wizard will let you know that the configuration is complete and accepted.

Some installations using a firewall may have disabled the ability to use the PING command to locations outside of your own network. If this is the case, you will need to let WebReport/i know that pinging to outside system locations is disabled on your network. You can do this by processing the following command on your system:

```
CHGDTAARA DTAARA(WEBREPORT/CONTROL (162 8)) VALUE(*PINGOFF)
```

Once you have an accepted configuration, you can then run the configuration Wizard in Post mode. The information will be recalled from your test run and re-verified. Assuming that the verification still holds, the actual configuration changes will be made to your system.

Note: the Wizard is depending on a series of successful PING operations to verify the addresses supplied. Each ping operation repeats a series of five pings. If any one of the five pings results in a failure, then the Wizard will report a problem to you. If you have provided what you believe to be good addresses and you get a failure, we recommend that you repeat the operation with the same values to see if it will work on a second attempt.

After the Post mode run is complete, you will have to reset the TCP/IP environment on your iSeries before all of the changes are recognized by your system. Ending and restarting TCP/IP will accomplish this, but it may not be feasible while your system is in productive use by your users. If this is the case, and you already have TCP/IP active and running on your system, you will probably be able to get your system to recognize the changes made by the Configuration Wizard by entering the following sequence of IBM i/OS commands:

1. ENDTCPSVR *SMTP - ends the current SMTP server function
2. ENDTCPSVR *POP - ends the current POP3 server function (only if you plan to use this function on your iSeries)
3. Wait for servers to shut down - 30 seconds is enough time on most systems
4. STRTCPSVR *SMTP - restarts the SMTP server function
5. STRTCPSVR *POP - restarts the POP3 server function, if you are planning on using it

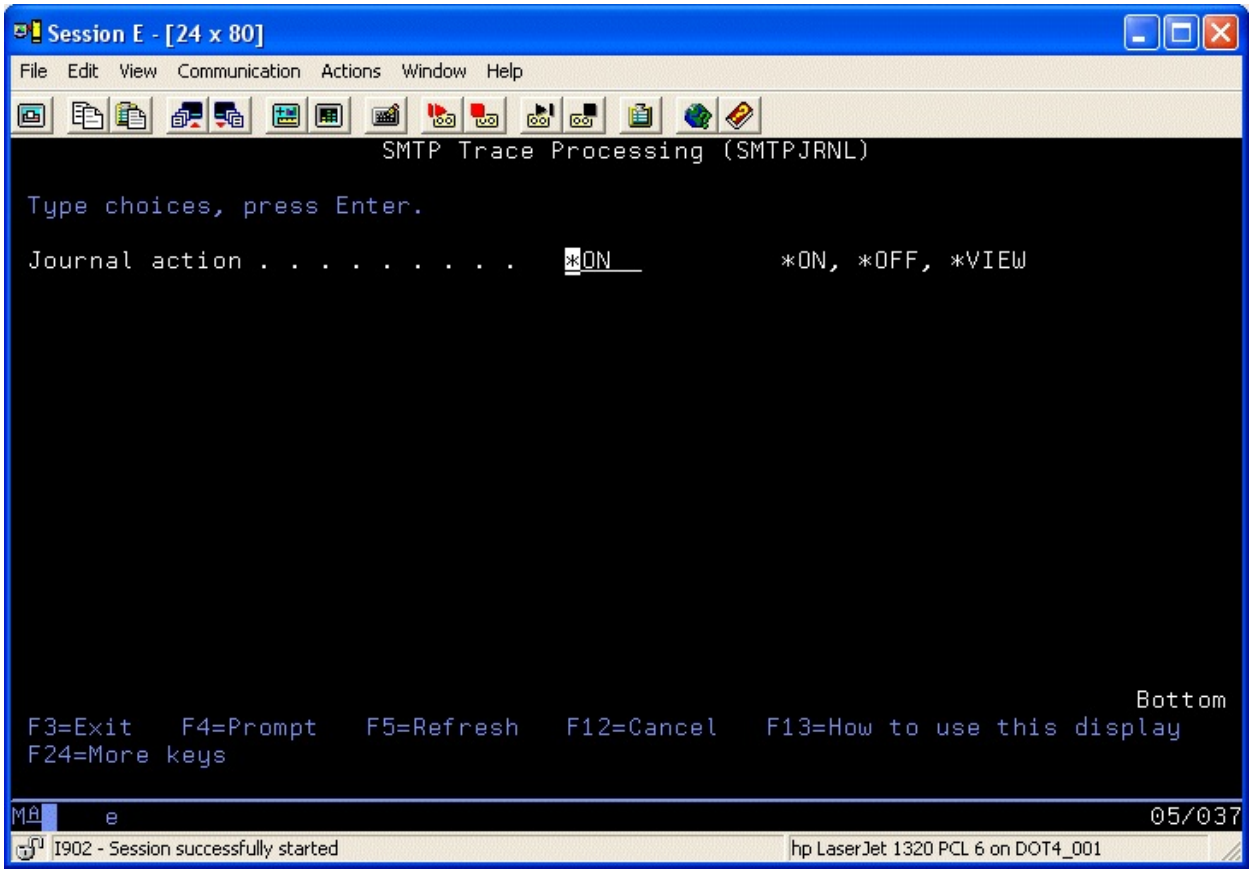
If you do not want to use the Configuration Wizard, we recommend that you review the configuration PowerPoint presentation that is available from the install CD or from our website. This will help you step through the configuration steps manually.

SMTP Journal Tracing

When using WebReport/i to send reports via email, the software works with the SMTP server in the IBM i/OS. When there are problems, there is a trace function available that is not always easy to set up and use. WebReport/i has implemented a command for this purpose that you can use. The command is SMTPJRNL and can be run using option #12 from the INSTALL menu. Using this feature, you can start SMTP journaling on your IBM i, end SMTP journaling and then view the SMTP journal information in a database file.

This feature is implemented so that you can trace activity in the SMTP server function in IBM's i/OS. It is provided to help customers diagnose situations where WebReport/i runs correctly but the email is not getting delivered. This process will at least show you that the email message was picked up by the SMTP server in the i/OS and may provide additional diagnostics at that level.

When you start the feature from the INSTALL menu, it will prompt the command and show on your display as follows:


Session E - [24 x 80]
File Edit View Communication Actions Window Help
SMTP Trace Processing (SMTPJRNL)
Type choices, press Enter.
Journal action . . . . . *ON *ON, *OFF, *VIEW
Bottom
F3=Exit F4=Prompt F5=Refresh F12=Cancel F13=How to use this display
F24=More keys
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The parameter values do the following:

*ON	activates SMTP journaling on your system
*OFF	deactivates SMTP journaling on your system
*VIEW	extracts journal information into a database file and displays it on your terminal session

To use this feature, we recommend the following sequence:

1. Activate SMTP journaling by using the *ON function.

2. Run the email process that you are having trouble with. Or, if you have SMTP functions looping, just activating the journal will start capturing information.

3. Let the journal process run for a few minutes to gather information from the server.

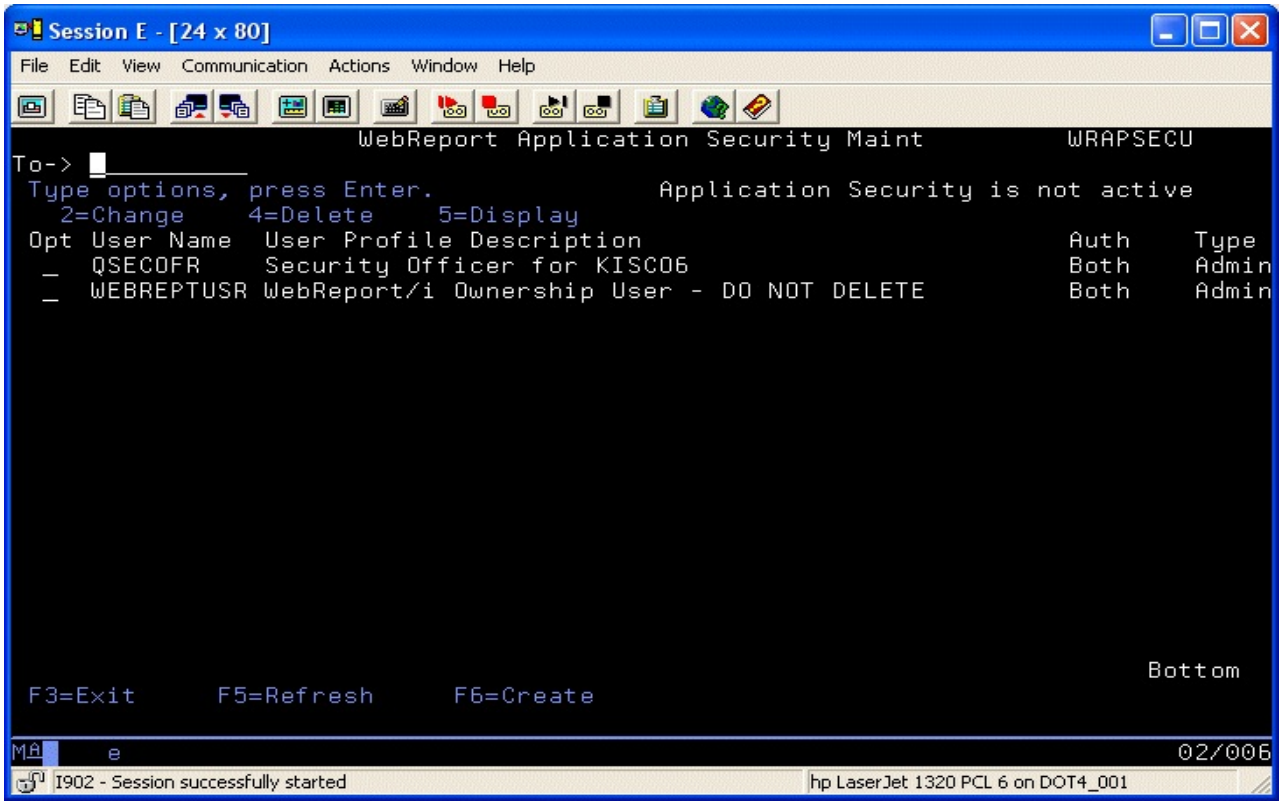
4. Deactivate SMTP journaling by using the *OFF function. We recommend that you normally keep SMTP journaling off to avoid resource usage.

5. Run the *VIEW function to extract the journal information and show the database file on your session. Go to the bottom of the displayed file and window right to see the diagnostic information that is most helpful. The database file created is named QZMF and is stored in the QTEMP library for your terminal session.

We have found that by scrolling to the right on the database display, you can locate specific tracing functions to see what is happening with email messages that have been submitted to SMTP from WebReport/i. If you have difficulty interpreting the information, contact Kisco Information Systems support.

User Profile Security Maintenance

When you specify *YES for Application Security Active in the WEBSET parameters (option #9 on the INSTALL menu), then individual user profiles must be enrolled in WebReport/i before they can use any of the features of the software. Option #15 on the INSTALL menu is used to maintain the user profiles that are enrolled in WebReport/i. When you start this option, the following will be displayed to show you the list of users already enrolled. You must have security officer clearance to use this menu option.


Session E - [24 x 80]
File Edit View Communication Actions Window Help
WebReport Application Security Maint WRAPSECU
To->
Type options, press Enter. Application Security is not active
2=Change 4=Delete 5=Display
Opt User Name User Profile Description Auth Type
_ QSECOFR Security Officer for KISCO6 Both Admin
_ WEBREPTUSR WebReport/i Ownership User - DO NOT DELETE Both Admin
Bottom
F3=Exit F5=Refresh F6=Create
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From this display, you can choose the following options:

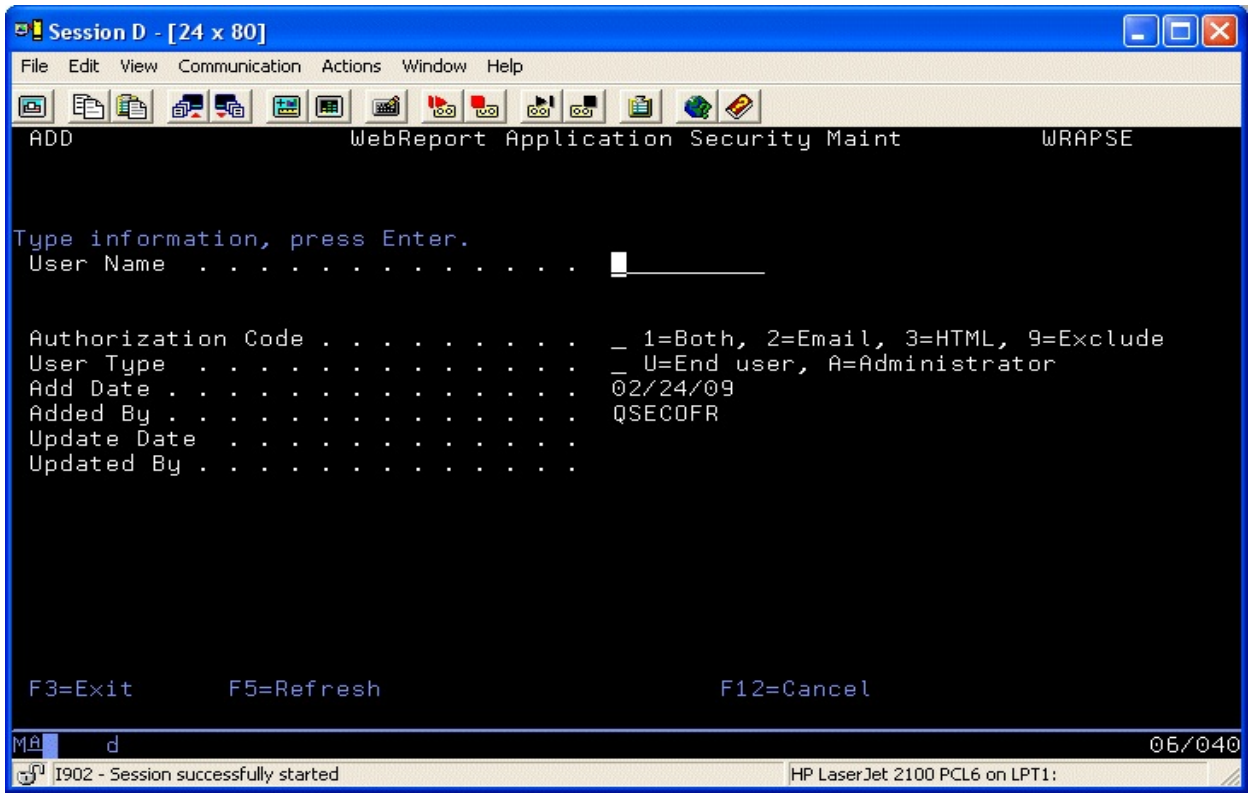
F6 Will present a blank screen to add a new user profile to the list.

Opt 2 Will let you update an existing entry.

Opt 4 Will let you delete an existing entry. Once deleted, that user will no longer have access to WebReport/i.

Opt 5 Will let you view the user profile information for the selected user.

When you choose to add or update a user profile, the following screen will be displayed:


Session D - [24 x 80]
File Edit View Communication Actions Window Help
ADD WebReport Application Security Maint WRAPSE
Type information, press Enter.
User Name . . . . . .
Authorization Code . . . . . _ 1=Both, 2=Email, 3=HTML, 9=Exclude
User Type . . . . . _ U=End user, A=Administrator
Add Date 02/24/09
Added By . . . . . QSECOFR
Update Date . . . . . .
Updated By . . . . . .
F3=Exit F5=Refresh F12=Cancel
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Enter the user profile name you want to specify and then select the following two additional information fields:

Authorization code	Select one of the following values: **1** - Both - The user will be allowed to send Email and to process HTML conversions. **2** - Email - The user will only be allowed to send Email. **3 -** HTML - The user will only be allowed to process HTML conversions. **9 -** Exclude - The user profile will not be allowed to process anything using WebReport/i.
User Type	Select one of the following values: **U** - the user is an end-user and can process reports according to the above authorization, but they cannot set up routing rules, make changes to the WebReport/i Address Book, process settings changes or use the Configuration Wizard. **A** - the user is a WebReport/i Administrator and can perform all functions within the product.

Security checking in WebReport/i supports both user profiles and group profiles. Using the Exclude option, you can authorize an entire group but then enter an exclusion entry for a specific profile within the group to prevent that user from having access.

If you choose to activate the security option, make sure that you authorize the user profile that starts the automatic routing option to avoid problems. Also, make sure that you have the user profiles all setup before activating the option from the WEBSET command.